



# The Home Entertainment

SourceBook



## Section 6

### Televisions

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**LT-17X576 • LT-23X576**

## 17- and 23" High Definition LCD Flat Panel TVs

JVC's sleek and stylish LT-17X576 (17") and LT-23X576 (23") LCD flat panel TVs deliver high-quality images (in 16:9 aspect ratio) and high-definition audio. They feature an HD component video input to connect your DVD player, 500:1 contrast ratio, high brightness and a 176° viewing angle. Their high resolution W-XGA panel accepts 480i, 480p, 720p and 1080i signals. They include a PC input, so they can do double duty as a computer monitor, and offer PIP (Picture in Picture) with the PC input source for your viewing convenience. Their two 3-watt (17") or 5-watt (23") speakers complement images with high-quality Hyper Surround sound. The speakers are mounted at the bottom of the LCD screen.

**FEATURES****High Quality Picture & Sound**

- ◆ High resolution (1280 x 768) widescreen W-XGA LCD display provides high brightness, wide viewing angle, and a flicker-free high resolution widescreen picture.
- ◆ They accept 1080i, 720p, 480p and 480i signals and display at 768p. (Requires a set top box to receive digital broadcasting).
- ◆ 3D Y/C comb filter corrects hanging dots, color bleeding, and other cross color interference for a clear, sharp picture.
- ◆ PIP with PC input source lets you view a TV program or other source in an adjustable, moveable window on the PC desktop.
- ◆ With selectable color temperature adjustment you can set the color temperature of to suit your viewing preference. Select "High" for a more vibrant picture for watching sports or colorful sitcoms. "Low" for a warmer look for movies and documentaries.
- ◆ In addition to their front firing speakers Hyper Surround Sound employs virtual speakers to create a surround sound effect without the need for rear speakers.
- ◆ For connectability they are equipped with a 15-pin D-Sub PC input with stereo audio mini jack, component video and S-Video inputs, AV input and headphone jack.

- ◆ Six adjustable widescreen aspect modes allow you to adjust the aspect ratio to suit your viewing preferences. They include Panorama/Cinema/Full and Regular modes for SD/ED (480i/480p) signals and Panorama/Cinema Zoom and Full for HD (1080i/720p) signals. Panorama and Cinema modes for all signals are vertically adjustable.

- **Panorama mode** stretches a normal 4:3 aspect to fill the 16:9 viewing area
- **Cinema mode** "zooms in" on the center portion of a 4:3 image and expands it to fit the entire 16:9 viewing area
- **Full mode** displays 16:9 HD signals at the perfect ratio
- **Panorama Zoom mode** stretches HD16:9 modes to eliminate side bars
- **Cinema Zoom mode** expands an HD16:9 image to eliminate the surrounding bars
- **Regular mode** makes no adjustment to the incoming signal

**Conveniences**

- ◆ Return feature brings you back to the last channel viewed
- ◆ Multi-lingual menus let you choose from English, French, Spanish or Chinese for your on-screen menu system display
- ◆ V-Chip program blocking lets parents use TV rating codes to block out programs from children. Channel Guard controls TV use and prevent video games and other sources from being displayed.
- ◆ Interactive plug-in menu system turns on automatically the first time you turn on the TV and prompts you to select your default menu settings.
- ◆ For convenience a carrying handle lets you easily move them to another location. They include a unified remote control for TV, DVD and VCR operation
- ◆ A table top stand comes standard and allows you to swivel and/or tilt the angle of the LCD television for the perfect viewing experience.
- ◆ They feature VESA compliant screw holes (100mm x 100mm) for easy wall mounting.
- ◆ Other features include front panel lock, 10-minute automatic shut-off, sleep timer (up to three hours in 15-minute intervals), noise muting, and four video status settings (Standard, Dynamic, Theater, Game).

## LT-26X506 • LT-32X506

### 26- and 32" High Definition LCD Flat Panel TVs

*Stepping up, the LT-26X506 (26") and LT-32X506 (32") LCD flat panel TVs feature Natural Cinema (3-2 Pull Down), Hyper Scan, Return+, Black Level Expansion, Auto Sensing component video input, fixed audio output, and two 5-watt speakers complement images with high-quality Hyper Surround sound. Their included half moon stand allows them to tilt and swivel. (They have four aspect modes, and don't have a PC input or selectable color adjustment.)*



#### FEATURES

##### High Quality Picture & Sound

- ◆ High resolution (1280 x 768) widescreen W-XGA LCD display provides high brightness, wide viewing angle, and a flicker-free high resolution widescreen picture.
- ◆ They accept 1080i, 720p, 480p and 480i signals and display at 768p. (Requires a set top box to receive digital broadcasting).
- ◆ Natural Cinema (3-2) Pull Down technology ultimately helps produce a smooth image virtually free of edge noise so you can enjoy the perfect home theater experience.
- ◆ Natural Cinema works for videos shot at 24 fps (frames per second) and on up to 30 fps such as for animation. It is a sophisticated sampling technology that smoothes out the edges by sampling the first field, recognizing it as the first frame, and then duplicating it in a continuous process.
- ◆ 3D Y/C comb filter corrects hanging dots, color bleeding, and other cross color interference for a clear, sharp picture.
- ◆ Black Level Expansion outputs an 0 IRE signal (versus NTSC 7.5 cut-off) for richer, deeper black tones in every image.
- ◆ In addition to their front firing speakers Hyper Surround Sound employs virtual speakers to create a surround sound effect without the need for rear speakers.

- ◆ Four adjustable widescreen aspect modes allow you to adjust the aspect ratio to suit your viewing preferences. They include Panorama/Cinema/Full and Regular modes for 480i, 480p, 720p and 1080i signals. Panorama and Cinema modes for all signals are vertically adjustable.
  - **Panorama mode** stretches a normal 4:3 aspect to fill the 16:9 viewing area
  - **Cinema mode** "zooms in" on the center portion of a 4:3 image and expands it to fit the entire 16:9 viewing area
  - **Full mode** displays 16:9 HD signals at the perfect ratio
  - **Regular mode** makes no adjustment to the incoming signal

##### Conveniences

- ◆ High-speed channel changer. Press and hold the Hyper Scan button for blazingly fast consecutive channel changing.
- ◆ Return + feature lets you set a channel to be returned to after channel surfing. Ordinary Return brings you back to the last channel viewed.
- ◆ High contrast graphic on-screen displays in English, French and Spanish
- ◆ V-Chip lets parents use TV rating codes to block out programs from children. Channel Guard prevents video games and other sources from being displayed.
- ◆ Auto sensing component video input assures the best possible picture quality, whether watching DTV, D-VHS or DVD. Also offer S-Video and three A/V-inputs, fixed monitor output and a headphone jack.
- ◆ Equipped with fixed audio, sound can be sent to additional equipment like an A/V receiver, speakers or even wireless headphones.
- ◆ They include a unified remote control for TV, DVD and VCR operation
- ◆ Newly designed "half moon style" table top stand comes standard with either model, and allows you swivel and/or tilt the angle of the TV for the perfect viewing experience.
- ◆ They can be easily wall mounted with an optional VESA adapter plate
- ◆ Other features include front panel lock, 10-minute automatic shut-off, sleep timer (up to three hours in 15-minute intervals), noise muting, and four video status settings (Standard, Dynamic, Theater, Game).

## LT-26X576 • LT-32X576

The LT-26X576 (26") and LT-32X576 (32") feature JVC's 4th generation Digital Image Scaling Technology (D.I.S.T.) that upconverts any video source to 770p and GENESSA, a new 32-bit CPU dedicated to controlling picture refinement. These proprietary technologies work in tandem to optimize image quality regardless of the source, and to deliver a smooth picture while enhancing vertical resolution. Another exclusive is JVC's 5-Point Color Management that samples red, green, blue, yellow and flesh tones and adjusts each separately to deliver vivid color reproduction.

They also include JVC's HD DSD (Digital Super Detail) edge enhancement which is active on still, fast and slow motion areas of the picture for crisp defined edges. JVC further enhances the home theater entertainment experience by adding Dynamic Gamma Control Circuitry and home theater features that include TheaterPro D6500K Color Temperature, Digital Noise Clear circuitry and XDS ID display.



### STEP-UP FEATURES FROM 506 SERIES (PREV. PAGE)

#### HD Range 75MHz Digital Super Detail

- ◆ Keeping images in focus during high action scenes is often a challenge for any television display because they are often low contrast scenes from the source. JVC's exclusive state-of-the-art HD Range 75MHz Digital Super Detail works to insure that images are always reproduced with a minimum of that inevitable and unwanted blur.
- ◆ Digital Super Detail is always on so you don't have to think about it, and it is always working to reproduce completely focused images for both still and high action scenes alike. In typical high action scenes there is often less contrast on the edges of the fast moving objects which appears as unwanted blur. For these scenes Digital Super Detail enhances the edges from moving objects to minimize blur. For minimal action scenes Digital Super Detail adds a natural compensation for slow motion and eliminates edge glare from still images for a beautiful picture all the time.
- ◆ 4MB 3D Y/C comb filter samples between frames to drastically reduce dot crawl, color bleeding, and other cross color interference for a clear, sharp picture. A separate, dedicated luminance noise reducing filter adds even more fine tuning for larger-sized panel displays.

#### 4th Generation D.I.S.T. with GENESSA 770p

- ◆ Digital scaling technologies are an absolute necessity for any brand of high definition display, because the majority of signal sources still are not HD. Without proper scaling, the limitations of original video sources are readily apparent. For example, while flat panel HDTVs have the capacity to reproduce high quality images from high-definition sources, when it comes to older video sources like classic TV sitcoms and DVDs, the HDTVs are almost over-qualified and their limitations are actually magnified on the screen. For example, a DVD is a typical 480i source but an LCD is a 770p display.
- ◆ JVC's 4th generation D.I.S.T. (Digital Image Scaling technology) detects and seamlessly converts any video source to 770p through the use of exclusive algorithm technology. Jagged lines inherent in the original source are smoothed and vertical resolution enhanced thus insuring superior resolution and dynamic cinema-like picture. But it doesn't stop there. They also include the new GENESSA chip—the world's first CPU dedicated to image processing. GENESSA provides 32-bit "turbo" powered picture processing to insure faster and more efficient sampling that drastically reduces jagged edges and increases the resolution of any video source.

#### Motion Adaptive Dynamic Gamma Control

- ◆ Flat panel displays can sometimes be inefficient at reproducing smooth grayscales—especially under demanding conditions such as high motion scenes. Therefore, all better panel display employ some form of gamma control so that darker areas don't lack detail and appear muddled. JVC's exclusive Motion Adaptive Dynamic Gamma Control is a highly sophisticated algorithm that utilizes data from every signal level, and then specifically targets only areas of highly dark image data so that the entire processing power can work in trouble areas alone. This allows Dynamic Gamma Control to concentrate more completely than standard dynamic gamma features that apply the process to the entire picture. Dynamic Gamma Control is always on and always working so that tonal gradations are preserved and darker images never appear muddled on these flat panel displays.
- ◆ They incorporate Digital Noise Clear Circuitry to enhance the video quality from less than perfect sources by reducing the video snow found on older videos such as rentals and home movies. It also helps to reduce the snowy lines attributed to poor tracking settings on VCRs.

## LT-26X576 • LT-32X576

### High Performance Audio

- ◆ They are equipped with an exclusive sound package so there is no need that includes Oblique Cone Speakers with 20-watts of total audio power, Advanced Hyper Surround, Advanced Hyper Bass and BBE High Definition Audio.
- Designed with the voice coil off-axis, the Oblique Cone Speakers project sound upwards towards the viewer for better sound dispersion.
- Advanced Hyper Surround (AHS) creates a 3-dimensional soundfield while using the TV's front speakers. "Virtual speakers" electronically process stereo audio signals and manipulate the phase relationships and frequency responses for a fuller 3-D effect.
- Advanced Hyper Bass (AHB) dynamically enhances bass response
- BBE High Definition Audio makes audio sound natural and clear by compensating for the inevitable phase and amplitude distortions that prevent sound from being its purest in regular TV sound.
- ◆ Smart Sound automatically adjusts the TV audio to compensate for sudden changes in volume

### Conveniences

- ◆ Closed captions turn on automatically when you press the Muting button on the remote control.
- ◆ Channel and video input labels let you choose from a preset list or make up your own channel names for TV stations and video inputs.
- ◆ XDS ID display and Auto Clock Set for automatic detection and setting of channel IDs and date and time data
- ◆ On/off timer with on-timer volume setup can be used as a decoy when you're out of the house, or as an alarm clock. The timer feature lets you set your TV to turn on and off at a specific time and set volume level.
- ◆ Input 1 contains component, composite and S-Video jacks that are so smart they automatically detect the signal source connected to them. Connect all your components to a receiver connected to Input 1 and your TV will respond accordingly for all devices.

### 5-point Color Management System (CMS)

JVC's exclusive 5-point Color Management System (CMS) uses a unique pin-point color sampling process that produces image color purity all the time. By applying pin-point sampling to each color range, CMS determines which colors require softening and which require toning down. The process insures that colors are never harsh or muddled but always natural and pure.

- Point 1 samples greens so they appear bright and not yellowed
- Point 2 samples yellows so that they never appear harsh or green
- Point 3 samples reds so they appear fresh and don't take on a bluish cast
- Point 4 samples blues so they are not muddled by greens
- Point 5 samples flesh tones so that they always appear warm and natural

### D6500K TheaterPro

- ◆ The goal of having the perfect home theater experience is for it to be as close to that of going to the movies as possible. Therefore, when films are converted to DVD or other video sources, the color temperature standard they use for their equipment is D6500K, but in transition to DVD, this temperature can be lost. With the press of a button, JVC's exclusive D6500K TheaterPro technology does just that. With the press of a button, the TheaterPro calibrating circuit brings that original warm look and feel back to any video source.

### Multi-Screen Features

- ◆ They let you make the most of your widescreen display by offering Twin Mode, Index and Freeze.
- ◆ Twin mode lets you view two programs (one TV, one video) in same size windows side-by-side on the screen. The Swap button on the remote transfers the Twin to the Main position.
- ◆ Index lets you search what's on by scanning the programs consecutively in 12 separate windows. The Select button on the remote control brings you to that channel
- ◆ Freeze creates a snapshot of the screen in separate window when you press the Freeze button

### Seven Aspect Modes

- ◆ Seven adjustable widescreen modes allow you to adjust the aspect ratio to suit your viewing preferences.
  - **Panorama mode** stretches a normal 4:3 aspect to fill the 16:9 viewing area
  - **Cinema mode** "zooms in" on the center portion of a 4:3 image and expands it to fit the entire 16:9 viewing area
  - **Full mode** displays 16:9 HD signals at the perfect ratio
  - **Panorama Zoom mode** stretches HD16:9 modes to eliminate side bars
  - **Cinema Zoom mode** expands an HD16:9 image to eliminate the surrounding bars
  - **Regular mode** makes no adjustment to the incoming signal
  - **Slim mode** detects signal modes that broadcast as 16:9 but are actually 4:3 and corrects it to display at the proper aspect ratio.

### Advanced Connectivity

- ◆ If you have even a moderately complicated home theater setup, you probably have a pile of tangled cables on the floor. Replace them with a single HDMI cable. HDMI is an uncompressed digital video and audio interface that supports multi-channel digital audio transmissions and component color spacing for true rendering of HD video.

## LT-26X776 • LT-32X776 • LT-37X776 • LT-40X776

JVC's top-end 776 LCD series includes step-up from the 576 series (LT-26X576 and T-32X576 previous page) with built-in ATSC tuner and CableCARD capability, which eliminates the need for a separate set-top box; dual IEEE 1394 inputs for connection to a video camera or other device; and a fully illuminated universal remote control for easy operation in a darkened room.

The LT-26X776 (26"), LT-32X776 (32") and LT-37X776 (37") also incorporate Natural Progressive circuitry and JVC's new Smart Picture technology. By examining the brightness level of incoming sources, Smart Picture compensates for scenes, frame by frame, to ensure that they are displayed at the perfect brightness level without sacrificing contrast and detail. The 40" LT-40X776 adds a memory card slot (compatible with 5 formats) to view images captured from a digital camera.



### STEP-UP FEATURES FROM 576 SERIES (PREV. PAGE)

- ◆ They are equipped with an EL-based (Electroluminescent) Universal Remote. Every button glows on this remote as it operates your TV and most brands of cable boxes, satellite receivers, and DVD players
- ◆ Built-in ATSC tuner receives over-the-air digital broadcasts, while an Easy Programming Grid (EPG) lets you easily schedule future viewing. They are also CableCard compatible, eliminating the need to use a set top cable box to descramble programming.
- ◆ Optical audio output
- ◆ i.LINK (IEEE1394) interface allows you to connect your i.LINK compatible devices like a DV camcorder directly to the TV.
- ◆ Media card viewer on the LT-40X776 (only) is compatible with SD, Memory Stick, CompactFlash, XD and MicroDrive cards for viewing still images, MPEG-4 movies, etc.
- ◆ Picture quality is further enhanced through JVC's unique Natural Progressive picture improvement technologies that optimize signal quality before the picture is displayed on the screen. JVC's 10.95 million pixel Natural Progressive technology doubles the image data in each field and uses advanced 3D interpolation to display a solid image without noticeable scanning lines and eliminates jagged edge noise and image trails.

## PD-42X776 42" Plasma

The PD-42X776 is a 42-inch HD plasma display that offers XGA resolution (1024 x 768) JVC's fourth generation Digital Image Scaling Technology (D.I.S.T.) and GENESSA, a new 32-bit CPU dedicated to controlling picture refinement. D.I.S.T. uses an exclusive digital algorithm to upconvert any video source to 770p. Jagged lines inherent in the original source are smoothed and vertical resolution enhanced. Additional features include:

- ◆ Five-Point Color Management, a technology that samples red, green, blue, yellow and flesh tones and adjusts each separately to deliver vivid color reproduction.
- ◆ HD DSD (Digital Super Detail) edge enhancement, which is active on still, fast and slow motion areas of the picture for crisp defined edges
- ◆ Home theater features such as TheaterPro D6500K color temperature, Digital Noise Clear Circuitry, Interactive Plug-in Menu, XDS ID display, and Natural Cinema 3-2 pull down with on/off capability for all telecine sources.
- ◆ Dual auto sensing component video inputs, assuring the best possible picture quality whether a viewer is using DTV, D-VHS or DVD, three S-Video inputs (two rear, one front), four AV inputs (three rear, one front) and a PC input.
- ◆ Integrated ATSC and CableCARD tuner HDMI inputs and dual IEEE 1394 inputs.
- ◆ NTSC tuner with split screen and POP.
- ◆ BBE High Definition Sound Enhancement and Advanced Hyper Surround. The PD-42X776 also offers 20 watts of total power and JVC's oblique cone speakers that direct the sound upward for better performance throughout the room, and a subwoofer.

## Comparison Chart

	LT-17X576	LT-23X576	X506 Series	X576 Series	X776 Series
Available Screen Sizes	17"	23"	26", 32"	26", 32"	26", 32", 37", 40"
Resolution	1280 x 768 (W-XGA)	1280 x 768 (W-XGA)	1366 x 768 (W-XGA)	1366 x 768 (W-XGA)	1366 x 768 (W-XGA)
ATSC Tuner w/ Built-in EPG	–	–	–	Yes	Yes
4th generation D.I.S.T. w/ GENESSA	–	–	–	Yes	Yes
HD Range DSD	–	–	–	Yes	Yes
5 Point Color Management	–	–	–	Yes	Yes
Dynamic Gamma	–	–	–	Yes	Yes
Natural Cinema	–	–	Yes	Yes	Yes
Digital Comb Filter	3D Y/C	3D Y/C	3D Y/C	4M 10bit 3D Y/C w/YNR	4M 10bit 3D Y/C w/YNR
Aspect Ratios	6	6	4	6	7 with New Slim Mode
<b>Sound Features</b>					
BBE and Active Hyper Bass	–	–	–	Yes	Yes
Hyper Surround Sound	Yes	Yes	Yes	Yes (AHS)	Yes (AHS)
Total Audio Power	6W	10W	10W	20W	20W
Speakers System	Full Range x 2	Full Range x 2	Full Range x 2	Full Range x 2 w/ Oblique Cone	Full Range x 2 w/ Oblique Cone
<b>Inputs and Outputs</b>					
HDMI w/HDCP	–	–	–	1	1
IEEE 1394 FireWire Ports (iLink)	–	–	–	–	2
CableCARD Slot	–	–	–	–	1
PC Input	1 (D-Sub 15 Pin XGA/VGA)	1 (D-Sub 15 Pin XGA/VGA)	–	–	–
Media Card Viewer	–	–	–	–	40x776 only
Smart Video Input	–	–	–	1 (as input 1)	1 (as input 1)
Component Video Inputs	1	1	1	1	1
Composite and S-Video Inputs	1 AV / 1 S	1 AV / 1 S	3 AV / 1 S	3 AV / 2 S	3 AV / 2 S
AV Monitor Output	–	–	–	–	1 (Audio and Video)
Optical Digital Audio Output	–	–	–	–	1
Other Audio Outputs	Headphone	Headphone	Fixed Out + Headphone	Fixed Out + Headphone	Fixed Out + Headphone
<b>Specifications</b>					
Panel (WxHxD)	18 $\frac{3}{8}$ " x 12 $\frac{7}{8}$ " x 3 $\frac{1}{8}$ "	24 $\frac{3}{8}$ " x 16 $\frac{3}{4}$ " x 3 $\frac{1}{2}$ "	26": 27 $\frac{1}{8}$ " x 18 $\frac{3}{4}$ " x 4 $\frac{1}{8}$ " 32": 32 $\frac{3}{8}$ " x 21 $\frac{3}{4}$ " x 5"	26": 27 $\frac{3}{4}$ " x 19 $\frac{1}{8}$ " x 4 $\frac{1}{4}$ " 32": 32 $\frac{1}{8}$ " x 22 $\frac{3}{8}$ " x 4 $\frac{1}{4}$ "	26": 27 $\frac{3}{4}$ " x 19 $\frac{1}{8}$ " x 4 $\frac{3}{8}$ " 32": 31 $\frac{1}{8}$ " x 22" x 4 $\frac{3}{8}$ " 37": 36 $\frac{1}{2}$ " x 24 $\frac{1}{8}$ " x 4 $\frac{3}{8}$ " 40": 39 $\frac{3}{8}$ " x 26 $\frac{1}{2}$ " x 4 $\frac{1}{4}$ "
Panel with Stand (WxHxD)	18 $\frac{3}{8}$ " x 14 $\frac{1}{4}$ " x 7 $\frac{1}{2}$ "	24 $\frac{3}{8}$ " x 19 $\frac{3}{8}$ " x 9"	26": 27 $\frac{1}{8}$ " x 20 $\frac{3}{4}$ " x 12 $\frac{1}{4}$ " 32": 32 $\frac{3}{8}$ " x 23 $\frac{3}{8}$ " x 12 $\frac{1}{4}$ "	26": 27 $\frac{3}{4}$ " x 21 $\frac{1}{8}$ " x 12 $\frac{1}{4}$ " 32": 32 $\frac{1}{8}$ " x 25" x 12 $\frac{1}{4}$ "	26": 27 $\frac{3}{4}$ " x 21 $\frac{1}{8}$ " x 12 $\frac{1}{4}$ " 32": 31 $\frac{1}{8}$ " x 24 $\frac{1}{4}$ " x 12 $\frac{1}{4}$ " 37": 36 $\frac{1}{2}$ " x 27 $\frac{1}{8}$ " x 12 $\frac{1}{4}$ " 40": 39 $\frac{3}{8}$ " x 29" x 12 $\frac{1}{8}$ "
Net Weight	16.1 lbs.	21.6 lbs.	26": 35.2 lbs. 32": 44.0 lbs.	26": 42.5 lbs. 32": 51.3 lbs.	26": 43.2 lbs. 32": 44.9 lbs. 37": 61.6 lbs. 40": 69.3 lbs.
Energy Star Compliant	Yes	Yes	Yes	Yes	–

## HD-ILA Rear Projection TVs

*The most amazing picture imaginable is what you will see with JVC's HD-ILA rear projection TVs. Built on JVC's 3-chip D-ILA technology, a revolutionary Micro-display technology that will give you the most incredible picture imaginable, D-ILA takes every factor from resolution, brightness, color reproduction, cabinet styling and even device longevity one step further than all the others.*

*Microdisplays like LCDs and DLP offer all the advantages of CRT based rear projection TVs, plus add a whole lot more. Advantages include significantly higher resolution capabilities and much brighter images; no periodic re-convergence requirements—making them low-maintenance; and they offer increased viewing angles and much slimmer and light weight cabinet designs. Now HD-ILA resets the bar, redefining microdisplay with new standards for quality, product longevity and brightness and resolution capabilities.*



**Same features as the LCD 776 Series HDTVs (previous page)—  
except for the difference in display technology**

What makes microdisplay devices unique from other forms of rear projection TVs (RPTVs) is that they are driven by digital microchips and light projection technology and CRT technology. The most common forms of microdisplay devices are Liquid Crystal Display devices (LCDs), Digital Micro-mirror devices (DLP), and Liquid Crystal on Silicon devices (LCOS).

D-ILA (Direct-drive Image Light Amplifier) devices are a highly sophisticated form of LCOS that offer distinct advantages over the other types. D-ILA combines the use of a single high power user-replaceable lamp, three vertically oriented LCOS microchips (1280 x 720), one for each RGB color, a precision focus lens, and a truly unique polarized beam splitter to combine all the colors of the images.

D-ILA is resistant to screen burn-in issues that can occur from video game play and other static images. Other panel display types, CRT TVs and RPTVs are all prone to screen burn-in damage which is permanent and can ruin your TV viewing experience.

D-ILA microchips add an inorganic alignment layer that maximizes chip production and stabilizes device performance. This unique structure insures a longer life device and maximum performance every step of the way. The result is television images consistently superior in resolution, grayscaling, brightness, and color reproduction that doesn't diminish over time.

There are three primary technologies that lead the microdisplay revolution —LCD devices, DMD devices, and LCOS devices. But D-ILA has two distinct advantages over the other microdisplay technologies, both stemming from its superior device design. D-ILA is the only device type that can boast maximum mega pixel placement capacity and no loss of light during the image production process. LCD and DMD, and even other forms of LCOS, invariably lose some space on which mega pixels can be placed and some of the original light source will be blocked—both of these limitations are a consequence of their design.

### **LCD — fair brightness capability**

LCD is a transmissive technology that allows light to pass through liquid crystal microchips to provide image data to the display screen. The main drawback of LCD is that transistors are required on each pixel, and wires must run between each pixel to transmit the image data. Combined, these wires and transistors limit both the total area through which light can pass (limiting brightness) as well as the total area on which pixels can be placed (limiting the megapixel ratio).

### **DLP — reduced brightness capability**

Digital Micro-mirror Devices known as DLP employ a reflective technology that uses micro-mirrors on hinges to reflect image data to the display screen. The main drawback of DMD is that a hinge is required on, and a space is required between each pixel to allow the mirrors to move. This space between the pixels and the space occupied by the hinges both limit the total reflective space available per pixel (limiting brightness) as well as the total area on which pixels can be placed (limiting the megapixel ratio).

### **D-ILA — best available brightness capability**

HD-ILA employs D-ILA, also a reflective technology, but it utilizes a special form of LCOS pixels which require virtually no space between them. No space between pixels allows D-ILA to yield the highest aperture ratio (reflective area) and therefore the greatest total area for placing mega pixels is maximized. D-ILA further improves upon LCOS by using vertically oriented pixels and by adding an inorganic alignment layer that both stabilizes device performance and maximizes chip production.

## HD-ILA Rear Projection TVs

### *The D-ILA Advantage—Custom Features and Superior Technology*

- ◆ The high power lamp that provides the HD-ILA televisions with their exceptionally bright images boasts a long life span. But, more importantly, unlike other microdisplay types, they are user-replaceable. There is no need for a service technician. When it's time to replace the lamp, the turn of a finger screw or two (depending on which model) reveals the lamp housing and the old lamp can be pulled out and replaced with the new one.
- ◆ The unique custom designed lens assembly developed especially for D-ILA devices consists of 13 separate glass components and an aspheric resin coated lens that insures full-time precision focus and low distortion no matter how demanding the scene. A total of 32 layers of anti-reflective coatings on each element minimizes internal reflections and allows for crystal-clear pictures and natural image reproduction.
- ◆ After the light is reflected off each color microchip, it is directed to pass through the polarized beam splitter which can only be described as an amazing combination of custom designed prisms that work in unison to recreate all the colors of the rainbow. Since the colors are all combined simultaneously, the polarized beam splitter minimizes any potential loss of contrast and is able to maintain image uniformity.
- ◆ Because JVC employs D-ILA 3-chip LCOS technology, the image on an HD-ILA will never show a rainbow effect that results from using single chip color wheel technology. Color wheels create images by sending sequential pulses of light that are combined by your eyes and your brain. Usually the process happens so fast you don't notice it. The downside is, if you do notice this, it appears as a flashing rainbow in front of you and you may find it bothersome. By utilizing three chips to simultaneously reflect the light and the polarized beam splitter to combine the colors, your eyes and brain can rest and enjoy.
- ◆ "Screen door effect" is an inevitable consequence of display technologies that require a space between pixels for moving parts or transistor wires. The effect of having these spaces appear as though you are viewing the images through a screen door, hence the name. Since D-ILA requires virtually no space between pixels, images always appear seamless.



Available in 52" HD-52G786 (black), HD-52G886 (silver); 48 $\frac{1}{2}$  x 35 $\frac{7}{8}$  x 16 $\frac{3}{8}$ ", weighs 85 lbs.

Available in 56" HD-56G786 (black), HD-56G886 (silver); 52 x 38 $\frac{1}{8}$  x 17 $\frac{3}{8}$ ", weighs 92 lbs.

Available in 61" HD-61Z786 (black), HD-61Z886 (silver); 57 $\frac{3}{8}$  x 41 $\frac{1}{8}$  x 18 $\frac{5}{8}$ ", weighs 103 lbs.

### HD-ILA TV FEATURES

3-Chip LCOS System (1280x720)
4th Generation D.I.S.T. 720p (Digital Image Scaling Technology) + GENESSA Picture Processing
Flicker Free High Resolution Picture
Digital 5 Point Color Management
16:9 Widescreen Aspect Ratio
ATSC/QAM and Digital CABLECARD Capable (Digital Cable Ready)
75 MHz Digital Super Detail
Natural Cinema (3-2 Pulldown)
Natural Progressive Line Doubling
Panorama, Cinema, Full & Regular Aspect Modes
HD EZ Fill (Cinema Zoom and HD Panorama)
5 Video Status Modes - Theater/Dynamic/ Game/Standard/TheaterPro D6500K
Color Temperature High/Low
Digital Noise Clear Circuitry
High Contrast Icon Based On Screen Display
3D Y/C Comb Filter
Single Tuner PIP with Twin Mode, Index and Freeze
HDMI/HDCP Digital Input
Dual IEEE 1394 (i.Link); Smart Input
2 HD Component Video Inputs
3 S-Video Inputs (1 Front, 3 Rear)
4 AV Inputs (1 Front, 3 Rear), .RF Input
Front Firing Speakers; Center Channel Input
MTS Stereo; BBE High Definition Audio
Advanced Hyper Surround Sound
Switchable Fixed/Variable Audio Output
Interactive Plug-in Menu
XDS ID Display: XDS Auto Clock Set
World Clock; Multi-function Timer, Sleep Timer
Input Naming; Return +
Front Panel Lock; V-Chip
EL Based (Electro Luminescence) All Button Illuminated Universal Remote Control
Hyper Scan High Speed Channel Changer

**TC-19LX50 • TC-23LX50 • TC-26LX50 • TC-32LX50**

## 19-, 23-, 26- and 32" Widescreen 16:9 LCD HDTVs

*When space is limited and flat-panel performance is a must, look no further than Panasonic's line of LCD HDTVs. They offer exceptional craftsmanship and graceful design, as well as brilliant, high resolution picture quality and impressive stereo sound. The four sleek models, the TC-19LX50 (19"), TC-23LX50 (23"), TC-26LX50 (26") and TC-32LX50 (32") feature widescreen 16:9 aspect ratio and HDTV display capability at 1080i and 720p, so high-definition content from any network may viewed in maximum resolution — from sports to movies to nature specials and more.*

*The 26- and 32" models feature a powerful integrated 4-speaker sound system with Surround Sound, while all models are equipped with an HDMI interface for transfer of high-definition content via a single cable. They incorporate a 3D Y/C digital comb filter, Progressive Scan, and offer an impressive 14-millisecond moving picture response speed, so sports or action movies are displayed with great clarity. LCD AI technology helps ensure an exceptional dynamic range from deep blacks to bright whites. They also offer multiple inputs including component, composite and S-Video, and a host of conveniences like V-Chip Parental Lock Out, Video Picture Memory, Video Input Labeling, sleep timer and headphone jack. They include a pedestal sound and remote control.*

**FEATURES**

- ◆ With a width-to-height ratio similar to movie theater screens, these widescreen LCD TVs provide a true theater-like experience at home. View HDTV broadcasts and DVDs the way they were meant to be seen.
- ◆ HDTV broadcasts (720p or 1080i) and DVDs (480p) offer more detail and better color than analog broadcasts, and it takes a high-resolution display to deliver all that picture information. The high pixel count of these TVs provide fine detail for outstanding HDTV reproduction. More pixels also translate into less stair-stepping artifacts; curved and diagonal edges look smooth and natural.
- ◆ Analog TVs display video in an interlaced format, resulting in visible scan lines and other image artifacts. They feature a progressive scan display that shows each film frame as one solid frame, helping to create a stable, solid image free of interlaced artifacts.
- ◆ Some LCD displays require the viewer to sit within a very small sweet spot for good image quality. Move too far to the left or right and image quality drops off sharply. These LCD models feature an extremely wide viewing angle of 170°, so whether you're right in front or sitting off to the side, you'll still get great image quality.
- ◆ Movies are converted to interlaced signals at 30 fps. These LCD TVs detect this conversion and use still-image processing to achieve smooth-flowing images with a level of detail that closely approaches the original film.
- ◆ LCD AI technology uses a control method that achieves deeper, more lifelike images in scenes where previous AI systems fell short. The result is greater detail, depth and realism.
- ◆ Fast pixel response time is essential to accurate image reproduction on LCD displays. If is too long, fast motion seen during sports broadcasts and action movies can cause blurring. They feature an impressive 14ms response speed to ensure excellent detail and smooth motion during high-speed scene transitions.
- ◆ Even with a moderately complicated home theater setup, you probably have a pile of tangled cables on the floor behind it. Now you can replace all those cables with a single cable that carries both digital video and audio at the same time. Equipped with an HDMI connector, you can run high-quality digital video and audio to the TVs via a single thin cable.

**TC-20LA5 20" 4:3 LCD TV**

*For those on a budget but still desire a sleek LCD TV, Panasonic offers a 20" 4:3 aspect ratio TV. It offers all the features of the above TVs except it only provides EDTV (Enhanced Definition TV) picture resolution. This means it can display a 480p signal from a progressive scan DVD player—but not true 720p or 1080i HDTV signals.*



## TC-19LX50 • TC-23LX50 • TC-26LX50 • TC-32LX50

	TC-19LX50	TC-23LX50	TC-26LX50	TC-32LX50
B&H Number	PATC19LX50	PATC23LX50	PATC26LX50	PATC32LX50
	VIDEO			
Diagonal Screen Size	19"	23"	26"	32"
Display Capability	480p/720p/1080i	480p/720p/1080i	480p/720p/1080i	480p/720p/1080i
Aspect Ratio	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)
Aspect Control	Normal, Zoom, Full, and Just	Normal, Zoom, Full, and Just	Normal, Zoom, Full, and Just	Normal, Zoom, Full, and Just
Resolution (Number of Pixels)	983,040 (1280 x 768) pixels	1,049,088 (1366 x 768) pixels	1,049,088 (1366 x 768) pixels	1,049,088 (1366 x 768) pixels
Contrast Ratio	Up to 800:1	Up to 800:1	Up to 800:1	Up to 800:1
Brightness (Panel, cd/m2)	450	500	500	500
Horizontal Viewing Angle	170°	170°	170°	170°
Moving Picture Response Speed	25ms	14ms	14ms	14ms
Digital Comb Filter	Motion-Adaptive 3D-Y/C	Motion-Adaptive 3D-Y/C	Motion-Adaptive 3D-Y/C	Motion-Adaptive 3D-Y/C
Progressive Scan	Yes	Yes	Yes	Yes
LCD Artificial Intelligence	Advanced	Advanced	Advanced	Advanced
3D Color Management	No	No	Yes	Yes
Sub Pixel Control	No	No	Yes	Yes
	AUDIO			
Speakers	2	2	4	4
Speakers - Watts Per Channel	8W (10% THD)	8W (10% THD)	20 W (10% THD)	20 W (10% THD)
Surround Sound	Yes	Yes	Yes	Yes
	INPUT/OUTPUT			
HDMI-HDCP Interface	No	No	Yes	Yes
Composite Video Input Jacks	2	2	2 Rear, 1 Front	2 Rear, 1 Front
S-Video Inputs	2	2	2 Rear, 1 Front	2 Rear, 1 Front
Audio Inputs (for Composite/S-Video)	2	2	3	3
Component Video Inputs	1	1	2	2
Audio Inputs (for Component Video)	1	1	2	2
Composite Video Outputs	1	1	1	1
Audio Outputs	1	1	1	1
Headphone Jack	Yes	Yes	Yes	Yes
	OTHER			
Built-In Closed Caption Decoder	Yes	Yes	Yes	Yes
Sleep Timer	Yes	Yes	Yes	Yes
Menu Language	English/Spanish/French	English/Spanish/French	English/Spanish/French	English/Spanish/French
Remote Control	Included	Included	Included	Included
V-Chip Program Lockout	Yes	Yes	Yes	Yes
Video Input Labeling	Yes	Yes	Yes	Yes
Power Supply	AC 120v, 60Hz	AC 120v, 60Hz	AC 120v, 60Hz	AC 120v, 60Hz
Power Consumption	66w	83w	121w	147w
Pedestal Stand	Included	Included	Included	Included
Swivel Angle	20°	20°	20°	20°
Dimensions (HWD)	15.5 x 20.2 x 4.9"	17.3 x 24 x 4.9"	19.4 x 26 x 5.5"	22.5 x 31.2 x 5.5"
Weight	18.7 lbs	20.9 lbs	37.8 lbs	45.3 lbs

**TH-37PX50U • TH-42PX50U • TH-50PX50U****37- 42- and 50" Plasma HDTVs**

*To realize the true HD dream, Panasonic's plasma line builds on their superior quality with technologies such as sub-pixel control, which individually addresses the red, green and blue charges within one pixel, resulting in a 30% increase in horizontal resolution over previous models. The new panels are capable of reproducing a maximum of 8.6 billion colors, with thousands of gradations within the red, green and blue spectra, and a 3000:1 contrast ratio to render an incredibly vivid picture with enhanced detail in dark scenes. Further advancements have been made in optimizing color purity with 3D color processing, and in ensuring outstanding picture quality in a wide range of ambient lighting conditions. For the audio side of things, you'd never guess that these incredibly slim, elegant and gorgeous TVs include an integrated 2-speaker system with surround sound.*

**FEATURES****Superior Technology for a Superior Picture**

- ◆ Conventional plasma displays tend to illuminate blacks, which lowers the contrast. Panasonic's improved Real Black Drive System helps to enhance image clarity and realism. By reducing the pre-discharge emission when reproducing black, the new Real Black Drive System provides deep, rich blacks and a stunning contrast ratio.
- ◆ Plasma displays can suffer from an artifact called "false contouring", where transitions between different shades of the same color are too sharp. These transitions appear as distinct lines between the different shades of color. Having thousands of shades of gradation minimizes the false contouring artifact so color transitions take on a smooth, natural appearance.
- ◆ The appearance of an object, as perceived by the human eye, is influenced by the colors of the objects surrounding it. This is known as the Mach Band Effect. Panasonic plasma TVs feature an Mach Band Effect enhancer, which utilizes the principals of this theory to enhance the brightness of objects on the screen, helping improve sharpness and a vivid picture.
- ◆ The realism of a TV's image is strongly linked to its contrast ratio, and these plasma TVs feature a high contrast ratio of up to 3000:1. Such a wide range from black to white means great depth and dimensionality with vibrant colors—and these plasma TVs can display an incredible 8.58 billion colors for a superior picture. Deep blacks provide excellent shadow detail during dark scenes, while brilliant whites allow the plasmas to render bright scenes with vivid realism.
- ◆ Anti-Reflection screen coating helps minimize screen reflections so ambient light in the room doesn't interfere with your enjoyment of the image.
- ◆ Gamma Enhancement system adds subtle nuance to dark scenes and gives images greater depth by increasing the number of gradation shades at low brightness levels. It employs non-linear signal processing to reproduce images that help accommodate the high sensitivity of the human eye. Additionally, they feature the Panasonic Plasma AI function, which analyzes scenes and automatically adjusts peak brightness according to the brightness of the images.
- ◆ View widescreen broadcasts and widescreen DVDs the way they were meant to be seen. They feature a width-to-height ratio similar to movie theater screens, providing cinema-style entertainment at home. Also enables full-screen viewing of high-definition broadcasts and DVDs in 16:9 format.
- ◆ They achieve exceptionally faithful movie reproduction through sophisticated analog-to-digital conversion. Progressive Cinema Scan circuitry converts 480i video to 480p while restoring the original frames of films for a more authentic movie reproduction.
- ◆ Even with a moderately complicated home theater setup, you probably have a pile of tangled cables on the floor. Replace them with a single HDMI cable that carries digital video and audio at the same time. HDMI is an uncompressed digital video and audio interface that supports multi-channel digital audio transmissions and component color spacing for true rendering of HD video. HDMI supports the HDCP copy protection standard, allowing transmission of copy-protected digital content to your display.

## TH-37PX50U • TH-42PX50U • TH-50PX50U

### HDTV Reception

- ◆ Built-in NTSC tuner lets you receive over-the-air analog broadcasts with an external antenna, while their ATSC tuner receives and decodes HDTV and digital broadcasts received from an off-air antenna. A QAM tuner receives and decodes digital broadcast channels from a cable company.
- ◆ HDTV broadcasts offer more detail and better color than analog broadcasts, and it takes a high-resolution display to deliver all that picture information. The high pixel count of these plasma displays provide fine detail for outstanding HDTV reproduction. More pixels also translate into less stair-stepping artifacts; curved and diagonal edges look smooth and natural.
- ◆ View digital programming without a cable box. Via their CableCARD slots they can accept a small card that allows you to receive standard and high definition digital broadcasts. No bulky set-top cable box—perfect for a wall-mounted plasma TV.

### TH-42PX500U • TH-50PX500U Step-Up Features

- ◆ These 42" and 50" plasma TVs are equipped SD (Secure Digital) card reader that allows you to share digital photos on the big screen. Simply insert an SD card, which is about the size of a postage stamp, into the SD slot on the TV and enjoy a photo slideshow.
- ◆ PC input terminal and XGA resolution display capability allows you to use these TVs for a number of applications including use as a large-screen PC monitor with ultra-high resolution. (They can accept 720p signals from a PC input.)
- ◆ They come equipped with BBE ViVa HD3D Sound for exceptional sound stage mixing and crystal-clear dialogue. They also incorporate 6 speakers (two bass-reflex woofers and four tweeters) for 26 watts total output.
- ◆ Incorporate TV Guide On-Screen Program Guide making it easy to locate desired programs

### Conveniences

- ◆ They come with a pedestal stand, providing you with a convenient way to watch images on a platform that looks just as good as the TV itself.
- ◆ With a lightweight, ultra-thin design, they are light enough to hang on a wall, allowing you to open up space in your bedroom or living room.
- ◆ Composite, S-Video and component video inputs for connection to a variety of sources including DVD players, DTV set-top boxes, and DBS (digital broadcast satellite).

	TH-50PX500U	TH-50PX50U	TH-42PX500U	TH-42PX50U	TH-37PX50U
<b>Video</b>					
Diagonal Screen Size (inches)	50	50	42	42	37
Aspect Ratio	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)
HDTV Compatibility	480p/720p/1080i	480p/720p/1080i	480p/720p/1080i	480p/720p/1080i	480p/720p/1080i
Native Resolution (Number of Pixels)	1366 x 768	1366 x 768	1024 x 768	1024 x 768	1024 x 768
<b>Audio</b>					
Speakers	(6) 2 bass-reflex woofers (4) tweeters 26W Output Power	(2) 16W	(6) 2 bass-reflex woofers (4) tweeters 26W Output Power	(2) 16W	(2) 16W
BBE® ViVa HD3D Sound	Yes	—	Yes	—	—
<b>Inputs and Outputs</b>					
Photo Viewer	SD and PC Card Slots	—	SD and PC Card Slots	—	—
SD Card Slot	JPEG Photo Viewer	—	JPEG Photo Viewer	—	—
PC Card Slot	PCMCIA (JPEG Photo Viewer)	—	PCMCIA (JPEG Photo Viewer)	—	—
Composite Video Input	3 (2 rear, 1 front)	2 rear	3 (2 rear, 1 front)	2 rear	2 rear
S-Video Input	3 (2 rear, 1 front)	2 rear	3 (2 rear, 1 front)	2 rear	2 rear
Audio Input (for Video)	3 (2 rear, 1 front)	2 rear	3 (2 rear, 1 front)	2 rear	2 rear
PC Input (RGB-VGA)	Mini D-sub 15-pin (rear)	—	Mini D-sub 15-pin (rear)	—	—
Audio Input (for PC)	1 (M3 Stereo Plug)	—	1 (M3 Stereo Plug)	—	—
Component Video Input	2 rear	2 rear	2 rear	2 rear	2 rear
Audio Input (for Component Video)	2 rear	2 rear	2 rear	2 rear	2 rear
Composite Video Output	1 rear	1 rear	1 rear	1 rear	1 rear
Audio Output	1 rear	1 rear	1 rear	1 rear	1 rear
<b>Convenience</b>					
TV Guide® On-Screen Program Guide	Yes	—	Yes	—	—
Picture-In-Picture	Split Screen Display (2 Sources)	—	Split Screen Display (2 Sources)	—	—
Dimensions (H x W x D)	33.1" x 52.1" x 5.4"	32 <sup>3</sup> / <sub>64</sub> " x 49 <sup>31</sup> / <sub>64</sub> " x 3 <sup>51</sup> / <sub>64</sub> "	28.7" x 44.7" x 5.4"	27 <sup>39</sup> / <sub>64</sub> " x 42 <sup>3</sup> / <sub>64</sub> " x 3 <sup>51</sup> / <sub>64</sub> "	25 <sup>15</sup> / <sub>64</sub> " x 38 <sup>7</sup> / <sub>64</sub> " x 3 <sup>51</sup> / <sub>64</sub> "
Weight	114.6 lbs	99.21 lbs	88.2 lbs	76.06 lbs	66.14 lbs.

**PT-44LCX65 • PT-52LCX65 • PT-61LCX65**44-, 52- and 61" Widescreen CableCARD  
LCD-based Rear Projection HDTVs

*Panasonic's LCD-based rear projection TVs combine the brilliant, high-resolution picture quality of liquid crystal display technology with the capability to convey multiple digital media formats. Slim, sleek, and remarkably lightweight for displays of their size, these fully integrated 16:9 widescreen televisions can display big-screen entertainment from blockbuster movies to the most visually demanding computer games. With a built-in ATSC tuner, they can receive and decode Hi-Def 480p, 720p and 1080i signals to deliver the dazzling images and dynamic sound of DTV broadcasts. Add an optional CableCARD, and they can also receive digital cable television systems services directly from the cable operator without requiring a separate cable box.*

*For more viewing options, an SD Memory Card slot allows you to watch digital photos on screen. The Photo Viewer lets you capture images from a digital camera, recorded onto an SD Memory Card, that can then be viewed as a slide show or in photo-album format. For added versatility, they offer PC display capability (VGA, SVGA, XGA), and can be used as large-screen computer monitors for other multimedia applications.*



*Shown with optional matching stand*

**FEATURES**

- ◆ Receive and view local over-the-air broadcasts of sports, movies, and network programming in stunning HDTV clarity using their built-in HDTV tuner (antenna required). If your cable company passes through HDTV broadcasts from local broadcasters, you can decode and tune those as well.
- ◆ HDTV display capability lets you experience images with lifelike detail and clarity when viewing HDTV broadcasts (1080i/720p) and progressive scan DVD players (480p). There is also less stair-stepping artifacts while curved edges look smooth and natural.
- ◆ Wideband video amplifier expands the video signal frequency response to more than 10 MHz, allowing for an incredible horizontal resolution capability.
- ◆ They are equipped with a CableCARD slot so you can receive standard definition and high definition digital broadcasts—without requiring a bulky set-top cable box. CableCARD is a cable TV standard that incorporates the functions of a traditional cable box into a small device that fits in a slot in your TV. With the use of an authorized Digital Cable Module (CableCARD), you can receive digital cable services, including premium and HDTV cable channels, without the need for a set-top box. Services and the module are supplied by the local cable company.
- ◆ They offer exceptionally faithful movie reproduction via Progressive Cinema Scan (3/2 pulldown) telecine conversion technology. By converting film's 24 fps to a video-friendly 60 fps, you get faithful movie reproduction and clear, smooth-flowing images.
- ◆ 16:9 widescreen TVs, they feature a width-to-height ratio similar to movie theater screens, providing cinema-style entertainment at home. Also enables full-screen viewing of high-definition broadcasts and DVDs produced in 16:9 format—the the way they were meant to be seen.
- ◆ Horizontal and vertical edge correction sharpens the edges of objects in the picture. Works with the velocity modulated scan to help produce clean, crisp television images.
- ◆ Motion-Adaptive 3D-Y/C Digital Comb Filter allows display of bright colors and fast-moving scenes with incredible clarity by minimizing the "color rainbow effect" in closely spaced patterns, compensating for the motion that occurs between fields.
- ◆ Enhanced Progressive Scan Doubler provides even more image enhancement by improving the quality of diagonal lines in a moving picture. With it, you generally don't see the horizontal scan lines that can be visible in ordinary television images.
- ◆ 2-tuner Picture-in-Picture with split-screen display divides the screen in half, so you can view two programs at once. Each is shown at full height, with one program on the left side and the other on the right. Audio is played from the program on the left. To listen to the audio from the other program simply switch the pictures using the SWAP button. The sets can also display a TV signal and computer data simultaneously, so users can watch TV and surf the Internet at the same time.

## PT-44LCX65 • PT-52LCX65 • PT-61LCX65

### Conveniences

- ◆ Auto programmable scan automatically tunes all available channels in your area (or on your cable system) into memory and then lets you add or delete the channels of your choice.
- ◆ V-Chip Program blocking lets parents use TV rating codes to block out programs from their children. Can be turned on and off via the on-screen menu using a four-digit, user-programmed code.
- ◆ Channel Lock and Game Guard let parents control TV use and prevent video games and other sources from being displayed on the TV. Lock out up to four channels, all channels plus all video inputs, or channels 3 and 4 plus all video inputs for either 12, 24 or 48 hours. A user-programmed 4-digit code must be entered to deactivate the feature.
- ◆ Video Picture Memory allows you to preset the picture parameters to either Standard, Cinema or Vivid, according to the selected viewing material. For instance, choose Cinema for DVD movie viewing. Once a preset is chosen it will remain in effect regardless of which video input is selected.
- ◆ Directly access a video input without toggling through all the inputs. Press the TV/Video button on the remote and a menu listing all inputs will appear. Either scroll through the menu to select an input or press the number on the remote corresponding to the desired input.
- ◆ Artificial Intelligence (AI) Sound Level automatically controls the volume level to prevent wide variations in volume among different TV channels and types of programming (movies, sports, commercials).
- ◆ Assign an on-screen label to each of the video inputs for easy identification of the source. Inputs can be labeled DVD or DSS instead of Video 1, Video 2, etc. Up to 8 characters per label can be used. There are also preset labels for even easier application.

### Inputs/Outputs

- ◆ Three sets of component video inputs, three sets of A/V inputs including one in the front, three S-Video inputs (one front), one front RGB PC (15-pin) input and one UHF/VHF input. There is also a set of A/V program outputs.

### Multimedia Applications

- ◆ PC display capability (VGA, SVGA, and XGA) makes them the ideal centerpiece for a media room, since they can also be used as a computer monitor for large-screen multimedia applications. Experience web surfing, gaming, and even DVD playback like you've never seen before using these large, crisp, high-resolution display.
- ◆ Photo Viewer SD / PC Card Slot allows you display still photos that you've captured on an SD Memory Card. Photos can be viewed as a slide show, or in photo-album format. You can also easily rotate images using the remote control.
- ◆ PC/Video Split-Screen display allows you to display a TV signal and computer data simultaneously, so you can watch TV and surf the Internet at the same time.

### Audio

- ◆ Optical output for DTS and Dolby Digital 5.1-channel surround sound decoders
- ◆ BBE High-Definition Sound improves speech intelligibility and restores the dynamic range of musical passages to help provide a more natural sound.
- ◆ 30-watt SonicPath Audio surround sound system provides thrilling audio to accompany high definition video. It delivers crystal clear BBE High Definition Sound using four speakers specially positioned on either side of the LCD screen for maximum stereo separation. The positioning also provides a direct sound path to the viewer to maximize the home theater experience.
- ◆ Bass/Treble/Balance controls lets you adjust the tonal quality of the TV audio to your preference. The balance control can be adjusted to compensate for a particular viewing room or the placement of your favorite chair.
- ◆ By delaying the phase of the original sound from a 2-channel source, they can create a "surround" effect. They can also simulate stereo sound from a monaural source.
- ◆ Built-in stereo decoder receives both TV stereo and Separate Audio Program (SAP) telecasts where available. A dbx noise reduction system helps provide clear, crisp sound with proper stereo separation.

### HDMI

- ◆ If you have even a moderately complicated home theater setup, you probably have a pile of tangled cables on the floor. Equipped with an HDMI connector, these TVs let you replace them with a single HDMI cable that carries digital video and audio at the same time. HDMI is an uncompressed digital video and audio interface that supports multi-channel digital audio transmissions and component color spacing for true rendering of HD video.

### Optional Stands

*These elegant stands raise Panasonic's widescreen LCD Projection HDTVs to the ideal viewing height and matches their styling and silver color for a cool, custom look. The stand's open architecture looks great, and provides maximum ventilation for heat-generating components such as receivers and amplifiers.*



**TY-44LC65C:** Matching stand for PT-44LCX65 (18 $\frac{1}{2}$  x 40 $\frac{1}{2}$  x 18 $\frac{7}{8}$ ", 59.5 lbs) .....**399.95**

**TY-52LC65C:** Matching stand for PT-52LCX65 (18 $\frac{1}{2}$  x 47 $\frac{11}{16}$  x 20 $\frac{3}{16}$ ", 66.1 lbs) .....**499.95**

**TY-61LC65C:** Matching stand for PT-61LCX65 (18 $\frac{1}{2}$  x 55 $\frac{1}{16}$  x 21 $\frac{3}{4}$ ", 81.6 lbs) .....**599.95**

**PT-56DLX75 • PT-61DLX75**

## 56- and 61" Projection HDTVs with DLP Technology

Panasonic's 4th-generation Digital Light Processing (DLP) technology HD projection monitors, the 56" (diagonal), 16:9 widescreen PT-56DLX75 and 61" PT-61DLX75 can attain a contrast ratio of up to 2500:1, rendering brilliant whites, deep blacks and crisp, vivid color with stunning clarity.

Designed to deliver the full impact of high-resolution digital images from a multitude of sources including DVD players, digital satellite receivers and DTV set-top boxes, both feature integrated ATSC/QAM/NTSC tuners, CableCARD slot, SD Card and Photo Viewer, RGB PC inputs and HDMI inputs. The built-in ATSC tuner enables reception of Enhanced Definition (EDTV) 480p and High Definition (HDTV) native 720p/1080i signals. The PT-56DLX75 is surprisingly compact at only 17.9" deep, and weighs just 87 lbs, the PT-61DLX75 is 18.4" deep and weighs 92 lbs.

**FEATURES**

**Same features as Panasonic Widescreen LCD Projection HDTVs (previous page), except for the display technology—**

- ◆ These widescreen TVs feature a width-to-height ratio similar to movie theater screens, providing a theater-like experience at home. View HDTV broadcasts and widescreen DVDs the way they were meant to be seen.
- ◆ While some DLP-based monitors use conventional 7-segment color wheels, Panasonic utilizes a symmetrically designed 8-segment configuration, which significantly diminishes color separation artifacts ("rainbow effect"), reduces flicker and minimizes digital noise in dark areas of the picture.
- ◆ Equipped with color matrix adjustment, they automatically adjust the color parameters for 1080i, 720p and 480p transmissions when viewing digital programming from a DTV receiver/decoder. Manual adjustments are also possible for non-standard DTV formats.
- ◆ High contrast ratio of up to 2500:1 means great depth and dimensionality with vibrant colors. Deep blacks provide excellent shadow detail during dark scenes, while brilliant whites allow them to render bright scenes with vivid realism.
- ◆ Direct Access Video Input allows you to select a video input source directly without toggling through all inputs. Press the TV/VIDEO button on the remote control, a menu listing all video inputs will appear. You can either scroll through the menu to select an input or simply press the number on the remote corresponding to the desired input.
- ◆ Color temperature control allows you to quickly adjust the white balance towards either blue (colder) or red (warmer).



*Shown with optional matching stand*

**DLP (Digital Light Processing) Technology—High Contrast, Sharp Details**

These advanced models combine Texas Instrument's DLP technology with Panasonic's digital video expertise for a picture that is just breathtaking. At the heart of DLP technology-based rear projection TV is the DMD, a 0.7-inch optical semiconductor chip with over 1.5 million hinged, microscopic mirrors, which operate as optical switches to create a high resolution, full color image. Electrostatic torque is used to adjust the angles of the mirrors, which reflect picture information to help achieve an exceptionally high 1280 x 720 pixel resolution.

The DLP optical system produces a bright, high-resolution, high contrast image in a display that is lighter and thinner than conventional CRT-based projection TVs. They also incorporate an 8-segment color-wheel, which helps minimize artifacts to ensure a brilliant picture. The DLP sub-system's Digital Light Processing technology maximizes the benefits of Panasonic's state-of-the-art digital image technologies, such as pixel conversion. Panasonic combined these and other original optical technologies, such as a wide-angled diffusion screen panel and a short-focus lens, with the Digital Micromirror Device™ semiconductor to achieve breathtaking results. Since there is no black area between pixels there is no "screen door" or "honeycomb" effect, which causes visible grid lines on some LCD projector.

## LCX & DLX PROJECTION TV Specifications

	PT-44LCX65	PT-52LCX65	PT-56DLX75	PT-61LCX65	PT-61DLX75
B&H Number	PAPT44LCX65	PAPT52LCX65	PAPT56DLX75	PAPT61LCX65	PAPT61DLX75
	VIDEO:				
Diagonal Screen Size	44"	52"	56"	61"	61"
Aspect Ratio	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)
Resolution (Number of Pixels)	1280 x 720	1280 x 720	1280 x 720	1280 x 720	1280 x 720
HDTV Compatibility	480p/720p/1080i	480p/720p/1080i	480p/1080i	480p/720p/1080i	480p/1080i
Anti-Glare Screen	Yes	Yes	Yes	Yes	Yes
Digital Comb Filter	Motion-Adaptive 3D-Y/C	Motion-Adaptive 3D-Y/C	Motion-Adaptive 3D-Y/C	Motion-Adaptive 3D-Y/C	Motion-Adaptive 3D-Y/C
Edge Correction	Horizontal/Vertical	Horizontal/Vertical	Horizontal/Vertical	Horizontal/Vertical	Horizontal/Vertical
Progressive Cinema Scan (3/2 Pulldown)	Yes	Yes	Yes	Yes	Yes
Progressive Scan Doubler	Yes (Enhanced)	Yes (Enhanced)	Yes (Enhanced)	Yes (Enhanced)	Yes (Enhanced)
Wideband Video Amplifier	Yes (HD Enhancer)	Yes (HD Enhancer)	Yes (HD Enhancer)	Yes (HD Enhancer)	
Selectable 4:3 Scan Mode	Yes	Yes	Yes		
PC Display Capability	VGA, SVGA, XGA	VGA, SVGA, XGA	VGA, SVGA, XGA		
Noise Reduction - Luminance	Yes	Yes	Yes		
	AUDIO:				
Audio Output	30W	30W	30W	30W	30W
Artificial Intelligence Sound	Yes	Yes	Yes	Yes	Yes
Bass/Treble/Balance Controls	Yes	Yes	Yes	Yes	Yes
BBE High Definition Sound	Yes	Yes	Yes	Yes	Yes
Speakers	4	4	2	4	2
Stereo/SAP with dbx NR	Yes	Yes	Yes	Yes	Yes
Surround Sound	Yes	Yes	Yes	Yes	Yes
	INPUT/OUTPUT:				
A/V Input Jacks	2 Rear, 1 Front	2 Rear, 1 Front	2 Rear, 1 Front	2 Rear, 1 Front	2 Rear, 1 Front
S-Video Inputs	2 Rear, 1 Front	2 Rear, 1 Front	2 Rear, 1 Front	2 Rear, 1 Front	2 Rear, 1 Front
Component Video Inputs	3	3	3	3	3
RGB PC Inputs (D sub15)	1 front	1 front	1 front		
SD Memory Card Slot (Photo Viewer)	Yes	Yes	Yes		
UHF/VHF Inputs	1	1	1	1	1
HDMI-HDCP Interface	Yes	Yes	Yes		
CableCARD Ready	Yes	Yes	Yes	Yes	Yes
A/V Output Jacks (Program Out)	1	1	1		
	OTHER:				
181-Channel NTSC Tuner	Yes	Yes	Yes	Yes	Yes
Picture-in-Picture Capability	Split Screen	Split Screen	Split Screen		
Remote Control	Lighted Disk HT Deluxe	Lighted Disk HT Deluxe	Lighted Universal	Lighted Disk HT Deluxe	Lighted Universal
Sleep Timer / Auto Shut Off	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes	Yes / Yes
V-Chip Program Lockout	Yes (US/Canada)	Yes (US/Canada)	Yes (US/Canada)	Yes (US/Canada)	Yes (US/Canada)
Video Input Picture Memory	Yes	Yes	Yes		
Built-In Tuners	NTSC (Standard analog broadcasts)			ATSC/QAM (SDTV and HDTV broadcasts)	
Built-In Closed Caption Decoder	Yes	Yes	Yes		
Dimensions (H x W x D)	30.3 x 41.3 x 14.8"	35.2 x 48.3 x 17"	37.6 x 51.7 x 17.9"	40.5 x 56.1 x 18.4"	40.5 x 56.1 x 18.4"
Weight	69 lbs.	82.9 lbs.	86 lbs.	101.4 lbs.	92.6 lbs.

## PDP-4360HD • PDP-5060HD

43- and 50" PureVision  
HD Plasma Televisions

*The PDP-4360HD (43") and PDP-5060HD (50") take a leap forward in picture quality with enhanced black level detail and brilliant image quality to deliver amazingly sharp, bright, accurate picture quality that lets sports fans, gamers and movie buffs experience the best of what HDTV programming is meant to deliver. A newly designed Crystal Emissive Layer combines with Pioneer's PureDrive II circuitry to deliver improved contrast ratios that create the best black levels ever seen in a Pioneer plasma television. Every time you turn them on, they will make you say "WOW." Whether it's your favorite DVD movie, a concert in high-definition, or the 5:00 news, this plasma is going to continually surprise you with its incredible picture. They are that good.*



## FEATURES

## Picture Quality

- ◆ Everybody wants you to see ALL the details in a movie, even in the darkest scenes. So, Pioneer inserted a Crystal Emissive Layer between the plasma glass and the individual light cells. This is a big advance in plasma technology, allowing each cell to be charged and discharged three times faster than before, for greater light emission. So, blacks are blacker, yet the lighter areas on the screen still maintain their true brightness values and don't turn muddy or gray.
- ◆ To reproduce the most brilliant lifelike colors, Pioneer uses a First Surface Pure Color Filter. This filter is bonded directly to the plasma glass instead of adding an additional layer of glass, thereby reducing environmental waste while enhancing the image quality. Since there are fewer layers of glass, there is less refraction of light to distort the images; however, there may be a slight increase in audio noise from the plasma.
- ◆ Advanced Continuous Emission IV detects the type of content shown on the screen and dynamically adjusts the grayscale to create optimum viewing qualities creating great detail within black areas. To ensure a faithful and accurate presentation of film content, Pioneer created Advanced PureCinema II also known as 3:3 pulldown.

## 3:3 Pulldown: If you love movies, read on

The PDP-4360HD and PDP-5060HD provide a movie experience that's closer to actual film than with any other plasma TV. Whether you're watching a DVD or even regular TV, you'll see the difference. Here's how, and why it matters: Movies are shot on film at 24 frames per second (fps), but TVs display images using the NTSC standard of 30 frames per second. So most TVs employ a conversion process called 3-2 frame pulldown. It greatly improves reproduction of film-based material, but it often results in uneven motion (called "judder"), especially during fast action. Pioneer solves this with a custom IC that creates 3 full copies of each frame x 24 frames per second, for 72 progressive fps (72Hz). This is now 3-3 pulldown, which synchronizes perfectly with the frame rate of film. It's a great solution because it actually makes things simpler: there's no need for a memory buffer and there's no guesswork. Film-based material will match the smooth, natural reproduction you'd see in a theater.

## Advanced Connectivity

- ◆ They are comprised of the ultra-slim panel itself and a separate media receiver, which are connected with just one digital interface cable. The media receiver offers full connectivity to your audio/video source components and computer, and provides some important convenience features as well. Plus, it can be stored in a cabinet for a clean, uncluttered look in your TV room.
- ◆ The media receiver is equipped with dual NTSC (standard TV) tuners and one ATSC (high-definition TV) tuner, for receiving over-the-air broadcasts. (Why two NTSC tuners? So you can watch two standard-TV programs at once, using Picture in Picture.)
- ◆ Cable TV subscribers can utilize a CableCARD to receive NTSC and ATSC broadcasts instead of using a traditional cable set-top box – just insert the CableCARD from your cable company into the slot provided on the media receiver.
- ◆ The media receiver also provides the TV Guide On Screen Interactive Program Guide, to help you find your favorite shows. It even lets you program what you want to watch for the coming eight days — a really handy feature that's included at no cost to you.

- ◆ Two iLink IEEE1394 input for easy connection to digital camcorders and digital VCRs.
- ◆ In addition to a full set of A/V and computer inputs (D-sub for PC) and outputs, the media receiver includes two HDMI (High Definition Multimedia Interface) terminals. These enable direct digital input of video and audio signals using just one HDMI cable, for example from your DVD player or cable box. HDMI provides a straight path and the signal remains in a pure, digital state. The result: completely "lossless" transmission that delivers exceptional image and sound quality compared to conventional connection types.

### Audio

- ◆ For those who want impressive sound but like to keep things simple, they include two speakers that attach to the panel (they can be detached as well). To give you another sound option, a subwoofer output is provided for adding a sub.
- ◆ 13-watt stereo amplifier with separate bass and treble controls
- ◆ SRS TruSurround features three surround modes to deliver true-to-life reproduction of sound. Derives natural 3D sound from any two-speaker system — such as this one.

### Conveniences

- ◆ Multi-Screen makes full use of the large screen to display images in 50/50 split screen or P-in-P.
- ◆ A slimmer bezel allows the excellent picture quality to really stand out while the frame fades into the background.
- ◆ They include a table-top stand and full function preset an learning remote
- ◆ 5-setting A/V Selection Memory (Standard / Dynamic / Movie / Game / User)
- ◆ V-Chip Parental Control
- ◆ 5-position aspect ratio control (Wide/Zoom /Cinema /Full /4:3) - "Dot by Dot" for PC

### Optional Accessories

- PWM-1011:** Slim Wall Bracket.....**199.95**  
**PWM-503:** Angle Wall Bracket.....**549.00**  
**PDWB-5003:** Wall Bracket.....**399.00**

## NORCENT

### LT-2023 • LT-2722 • LT-3222

### 20-, 27- and 32" LCD TVs

*Norcent's family of LCD TVs offer a host of impressive features, a sleek flat-panel design and superior image quality and performance. They have a built-in PC input and all feature a 181-channel tuner with MTS, SAP, closed caption and V-chip. Wide 170° horizontal and vertical viewing angles provide exceptional viewing in varied applications. In addition, built-in speakers and Dolby Digital surround sound add to the cinematic experience.*



*They also support multiple input options, including composite, component and S-Video, for maximum performance and flexibility.*

**LT-2023 LCD TV (20"):** The powerful and vibrant LT-2023 comes with PC input and is perfect for those looking for the quality and performance of an LCD TV in a smaller footprint. This 20" model offers (800 x 600) resolution, high brightness (500 cd/m2) and a high contrast ratio of 500:1 for amazing image quality at an affordable price point. Viewers can access on-screen menus in either English, French or Spanish with auto channel programming, convenient sleep timer settings and favorite channels presets.

**LT-2722 LCD TV (27"):** The LT-2722 provides 1280 x 720 resolution and a high level of brightness (550 cd/m2). A superior contrast ratio of 600:1 for amazing picture quality. The LT-2722 comes with two 5-watt speakers, on-screen menus in English, French and Spanish easy auto channel programming, convenient sleep timer settings and favorite channels presets.

**LT-3222 LCD TV (32"):** The largest in the family, the LT-3222 i provides 1366 x 768 resolution and a high level of brightness (550 cd/m2). A superior contrast ratio of 1000:1 creates breathtaking, life-like images. The LT-3222 comes with two 10-Watt speakers, tri-lingual on-screen menus, easy auto channel programming, convenient sleep timer settings and favorite channels presets.

## New! PT-4240HD

### Incredibly Affordable 42" Plasma HDTV

For cost-conscious consumers seeking the next step up in home entertainment, Norcent's PT-4240HD brings home the excitement of plasma TV with a design, full functionality, and value unlike anything on the market today. The PT-4240HD achieves 1024 X 768 resolution and a 3000:1 contrast ratio. It offers the true HD experience with an integrated digital tuner and component, DVI video and PC input options for sharp color reproduction. Viewers have access to on-screen menus in English, French and Spanish that provide 181 auto channel programming, convenient sleep timer settings and favorite channel presets. Two built-in 5-watt speakers recreate the cinematic experience with dynamic audio.

**LT-P1545 • LT-P1745 • LT-P2045**15-, 17- and 20" LCD  
Flat Panel TVs

*Want a high performance flat panel TV that "does it all"? Need a choice of screen sizes to suite your different needs? Samsung's 45 series of LCD TV's is the place to start. These beautiful new sleek designs, available in 15", 17" and 20" standard aspect ratio sizes start at under 2" thick (without stand) and contain Samsung's latest LCD panel technology. It all starts with picture quality, and these sets boast improved contrast, brightness and off-angle viewing. Add the flexibility of a PC input, integrated NTSC stereo TV tuner and a unique base that doubles as a wall mount and you've got both performance and value.*

**Video**

- ◆ High resolution (1024 x 768) pixel density with built-in image scaler to handle inputs from a variety of digital and analog audio/video sources.
  - ◆ With a 400:1 (500:1 on the LT-P2045) contrast ratio and 450 cd/m2 brightness, these LCD TV's give the most stunning realistic picture quality ever from a flat panel set.
  - ◆ Digital comb filter minimizes edge image artifacts while improving transition detail.
  - ◆ Fast 25 ms response time minimizes blurring of moving video.
  - ◆ 4 video presets optimize the picture for the type of program being watched. Presets include Standard, Dynamic, Movie and Custom with user adjustable brightness, contrast, sharpness, color, and tint.
- Standard: for the standard factory settings.
- Dynamic: to increase the clarity and sharpness of the picture.
- Movie: when viewing a movie.
- Custom: if you want to adjust the settings according to personal preference
- ◆ CaptionVision (CC) displays dialog that can be read along with encoded broadcast TV programs and pre-recorded videos.
  - ◆ Color temperature control (Normal, Warm and Cool) selectable with on-screen display.
  - ◆ Trilingual on-screen display (English, Spanish or French)

**Audio**

- ◆ MTS & SAP stereo broadcast reception with 181-channel capacity.
- ◆ Preset sound modes include Standard, Movie, Music, Speech (focuses on dialog and reduces background), and Custom (5 band graphic equalizer allows detailed sound adjustments).
- ◆ Auto Volume Leveler keeps audio volume consistent during channel changing.

**Conveniences**

- ◆ Clock with on/off and variable sleep timer
- ◆ V-chip system allows parental blocking of rated TV and movie programs.
- ◆ Built-in power adapter eliminates need for the external power 'brick'.
- ◆ They include a dual purpose stand/wall mount (the pedestal stand can be used as a wall mount when it's folded back).

	<b>LT-P1545</b>	<b>LT-P1745</b>	<b>LT-P2045</b>
Diagonal Screen Size / Aspect Ratio	15" / 4:3	17" / 4:3	20" / 4:3
Pixel Resolution	1024 x 768	1280 x 1024	640 x 480
Viewing Angle H/V	150°H/120°V	170°H/170V	170°H/170V
Picture in Picture (PIP)	No	No	No
Speakers	2.5 Watts x2	2.5 Watts x2	6 Watts (3 W x2)
Coaxial Antenna Input	1	1	1
Composite / S-Video Inputs:	1 / 1	1 / 1	1 / 1
Component Input	1 (480p)	1 (480p)	HD
Computer Input:	15-Pin x1	15-Pin x1	15-Pin x1
Audio:	RCA L/R x2 In	RCA L/R x2 In	RCA L/R x1 In
PC Audio:	Stereo Mini Jack x1 In	Stereo Mini Jack x1 In	Stereo Mini Jack x1 In
Tilt/Swivel Range	Tilt: +13°	Tilt: +13°	Tilt: +10° (Backwards)
Wall Mountable	Yes, Included	Yes, Included	Yes, Included
Dimensions (WxHxD) with Stand:	14.2 x 14.6 x 7.6"	16.4 x 16.7 x 7.6"	18.9 x 18.2 x 8.9"
Weight (with stand)	7.9 lbs.	10.9 lbs.	17.6 lbs

**LN-R SERIES**23-, 26-, 32- and 40"  
LCD Flat Panel TVs

*Slim, light and beautiful, Samsung's LCD Flat Panel TVs combine sleek looks and high performance. Consisting of the 40" LNR408D, 32" LNR328W, 26" LN-R268W and 23" LN-R238W these widescreen LCD HDTV-ready and HDTV sets let you display HDTV images from any high-definition source. Samsung's Patterned Vertical Alignment (PVA) screens provide high contrast and brightness for lifelike images with realistic colors and outstanding detail. They feature 3000:1 dynamic contrast ratios (the highest available in an LCD) and a fast response time (12ms) for superb picture playback and color vibrancy on a 16:9 screen.*

**FEATURES****DNle — Digital Natural Image Engine**

- ◆ Samsung's revolutionary DNle technology offers digital perfection in naturally presented, crystal-clear images that uncover even the most minute detail.
- ◆ Motion Optimizer — Fast-moving images are optimized to produce more natural-looking motion, thus reducing video noise or blurring.
- ◆ Contrast Enhancer — Brightness and contrast levels are enhanced for deeper, richer blacks with greater detail and more natural whites.
- ◆ Color Optimizer — Colors are reproduced with a more lifelike realism, whites are more accurate, and skin tones are given a more natural hue.
- ◆ Detail Enhancer — DNle analyzes video signal elements to produce sharper detail, clearer image separation, and more natural edge transition.
- ◆ My Color Control — Patented "My Color Control" technology allows you to control specific colors without affecting the whole screen. Now, Samsung provides six-color control selections: white, red, pink, yellow, green and blue. It's your picture - you decide.

**Advanced Picture Quality**

- ◆ Samsung's PVA screen enables brighter whites, deeper blacks and every shade in between. Its dynamic 3000:1 contrast ratio provides an abundant palette of perfect colors.
- ◆ Samsung's 10-bit processing method produces 3.2 billion lifelike colors to ensure a more natural and vivid picture and aids in video signal processing of analog sources.
- ◆ To the left, to the right, even upside-down, 170° vertical and horizontal wide-viewing screen solution ensures easy viewing from any angle.
- ◆ Progressive scan virtually eliminates the flicker that you see on traditional, interlaced scanning TVs. The LN-R series display progressive scan signals with ease from DVD players and HDTV decoders.

**Surround Sound**

- ◆ High-quality surround sound can be experienced with just the speakers built into the TV. SRS TruSurround XT technology delivers an amazing, simulated 3-D effect with clear dialog and powerful bass.
- ◆ The interior hidden speaker system with DACS (Dual Acoustic Chamber System) simulates dual separate chambers for each speaker to maximize low-range-sound performance and enhance sound clarity.

**Easy Connections**

- ◆ HDMI connection allows for the transmission of both video and audio digital signals through a single connection for higher quality and fewer wires.
- ◆ Connect your DVD and DTV sources with two smart component video inputs that accept 480p/720p/1080i signals. They can also function as PC monitors.

**Conveniences**

- ◆ Samsung's LCD panels have up to 60,000 hours of lamp life.
- ◆ Control other Anynet-enabled Samsung components through a single TV remote control.
- ◆ Built-in brightness sensor automatically detects the ambient light and adjusts the TV's luminance accordingly.
- ◆ Watch two different sources at once with P-I-P.
- ◆ LN-R408D (only) lets you enjoy digital cable and HDTV without a set top box, thanks to CableCARD technology. Your remote controls it all. Simply plug your cable-company-supplied CableCARD into the TV, connect your signal and you're ready to go.

## LN-R SERIES

	LN-R238W	LN-R268W	LN-R328W	LN-R408D
B&H Number	SALNR238W	SALNR268W	SALNR328W	SALNR408D
	DISPLAY			
Diagonal Screen Size	23"	26"	32"	40"
Aspect Ratio	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)
HDTV Tuner	Monitor	Monitor	Monitor	Built-in
Panel Type	PVA	PVA	PVA	PVA
Brightness (Panel, cd/m2)	500	500	500	500
Contrast Ratio	3000:1	3000:1	3000:1	3000:1
Viewing Angle (H/V)	170°/170°	170°/170°	170°/170°	170°/170°
Pixel Resolution (H/V)	1366 X 768	1366 X 768	1366 X 768	1366 X 768
	PICTURE			
Progressive Scan	Yes	Yes	Yes	Yes
Digital Comb Filter	Yes (3D)	Yes (3D)	Yes (3D)	Yes (3D)
Picture Mode	Custom/Standard/Dynamic/Movies			
Color Tone Mode	Cool2, Cool1, Standard, Warm1, Warm2			
	SOUND			
Power Output (RMS)	3w x2	5w x2	10w x2	10w x2
Special Features	SRS TruSurround XT	SRS TruSurround XT	SRS TruSurround XT	SRS TruSurround XT
Stereo	MTS/SAP	MTS/SAP	MTS/SAP	MTS/SAP
Sound Mode	Standard, Music, Movie, Speech, Custom			
	CONNECTIONS			
Antenna In	1	1	1	2
HDMI In	1	1	1	1
Component (Y/Pb/Pr) In	2 (480i/480p/720p/1080i)	2 (480i/480p/720p/1080i)	2 (480i/480p/720p/1080i)	2 (480i/480p/720p/1080i)
S-Video In	1	1	1	1
A/V (RCA) In1	2 (1 : S-Video share audio L/R)	2 (1 : S-Video share audio L/R)	2 (1 : S-Video share audio L/R)	1
Anynet (RS232C)	1	1	1	1
Digital Audio Out (Optical/Coaxial)	—	—	—	Optical
PC Input	D-sub 15 pin (VGA~WXGA)	D-sub 15 pin (VGA~WXGA)	D-sub 15 pin (VGA~WXGA)	D-sub 15 pin (VGA~WXGA)
PC Audio In	Yes	Yes	Yes	Yes
Headphone Out	Yes	Yes	Yes	Yes
	POWER			
Consumption on working	100w	140w	184w	285w
Stand By	<1w	<1w	<1w	<20w
Input Power	AC 100 ~120/60 Hz	AC 100 ~120/60 Hz	AC 100 ~120/60 Hz	AC 100 ~120/60 Hz
	OTHER			
Wall-mounting	VESA (100 mm X 200 mm)	VESA (100 mm X 200 mm)	VESA (200 mm X 200 mm)	VESA (200 mm X 200 mm)
Dimension without Stand (WDH)	23.0 X 3.5 X 17.4	26.1 X 3.7 X 19.6	31.4 X 3.9 X 23.3	38.9 X 4.4 X 27.7
Dimension with Stand (WDH)	23.0 X 8.1 X 19.1	26.1 X 8.1 X 21.2	31.4 X 9.8 X 25.6	38.9 X 13.1 X 30.0
Shipping Weight	23 lbs	37 lbs	41 lbs	66.1 lbs

**DLP TV**

## Widescreen HDTV with DLP Technology

*If you're looking for a big-screen, high-performance HDTV for any presentation including office, meeting room, hotel or museum, look no further than DLP TV by Samsung. These Cinema Smooth 720p models are available in 42 to 61" wide screen. Elegantly framed in an ultra-light, thin-bezel cabinet, these beautiful and lightweight high definition TVs deliver a more lifelike picture combined with slim design to fit where others won't. For example, the 61" set is less than 17" deep and weighs just 95 lbs.*

*Experience film-like video images with deeper blacks and more robust colors. Digital Natural Image engine (DNle) picture enhancement technology ensures a bright, crisp image from every source. Equipped with a host of digital interfaces and video inputs (connections for DVD, DTV, PC, HDTV and are digital cable ready), connectivity challenges and future proofing are a non-issue. Mount them, rest them on a stand or move them anywhere, anytime, their size and weight offers more placement possibilities over any other TV design. There's also no risk of burn-in or screen aging, so you can be sure of years of worry-free enjoyment.*



### FEATURES

- ◆ Cinema Smooth Gen 3 HD light engine uses Texas Instruments' .55" microdisplay to offer higher throughput, a near 100% reflective surface and switching speeds 1,000 times faster than competing micro-display technology. Combined with Samsung's spec of optics, video processing and choice of color filter system refinements, the result is a stunningly clear picture with outstanding color, 1500:1 contrast ratio and smooth handling of action video.
- ◆ DLP Projection System DLP (Digital Light Processing) technology by Texas Instruments is the only display solution that enables projection systems to create a purely digital connection between a digital video or graphic source and the screen in front of you. While all other technologies are analog and compromise some image quality in translation, DLP projection unleashes the full potential of high quality video content.
- ◆ Widescreen aspect ratio is the ideal screen format for viewing widescreen video from DVD players and the growing availability of broadcast programming off digital HDTV tuners, cable boxes and satellite receivers.
- ◆ Samsung DNle ( Digital Natural Image engine), enhances all analog NTSC and wideband video inputs for an overall improvement in picture quality. Improves contrast, white level, picture detail and incorporates a digital noise reduction to improve lower quality video.
- ◆ Compatible with 1080i and 720P HDTV formats, will also accept any DTV, analog TV, or XGA computer RGB input. All video signals are converted to a 16x9 screen pixel count (1280 x 720 resolution) progressive display.
- ◆ 2-tuner PIP with side-by-side split screen enables convenient simultaneous viewing of two TV programs on the TV screen.
- ◆ Bright HD ultra-fine pitch screen (.155mm) delivers amazing picture clarity especially when viewing higher definition video sources like DVD and HDTV.

**DLP Technology:** The secret to these engineering marvels is a compact digital projector powered by EMMY award-winning technology by Texas Instruments. A single, postage stamp-sized Digital Micro-Mirror Device (DMD) that generates high definition video images is combined with Samsung's proprietary Cinema Smooth Gen 5 HD light engine and advanced light processing optics results in an overall stunning picture quality that is clear, bright and with outstanding contrast. Samsung's high definition televisions based on DLP technology deliver a stunning picture quality that rivals any other display technology available today. And unlike other display technologies that deteriorate with ongoing use— such as cathode ray tubes (CRT), plasma, liquid crystal display systems (LCD, LCoS, HTPS)— the DLP panel isn't susceptible to the damaging effects of heat, humidity, vibration, and aging. Projection systems using DLP technology enable you to see the creator's original vision at full impact again and again, no matter how many times a video or graphic has been projected.

## DLP TV

- ◆ Single DMD panel design displays a bright clear high-definition picture without annoying focus, color aberrations and any possible convergence artifacts seen in display designs that incorporate multiple microdisplay panels or multiple CRT's.
- ◆ Cinema Smooth Film Mode (3:2 Pull Down) senses motion found in unconverted 480i DVD video based on 24 fps film productions. Especially important when converting to a progressive video image, the result is an elimination of visible motion artifacts (by-passed on 480P, 720P and 1080i inputs).
- ◆ 2-tuner PIP with side-by-side split screen enables convenient simultaneous viewing of two TV programs on the TV screen.
- ◆ Bright HD ultra-fine pitch screen (.155mm) delivers amazing picture clarity especially when viewing higher definition video sources like DVD and HDTV.

## Conveniences

- ◆ Audio mode preset button enables 5 different modes for sports, movies, music, speech and custom settings.
- ◆ Picture format size adjustment can be programmed by video input for satisfying viewing choice. The ASPECT button on the remote control toggles the set's 5 options - Zoom 1, Zoom 2, Wide, Panorama and Normal format. The TV will retain the last setting for each individual input.
- ◆ Cinema Picture Mode combined with warm 2 setting achieves a correct color temperature that closely matches production standards. Ideal for watching movies in dark rooms or low light.
- ◆ Picture mode preset enables three different video adjustments—standard, cinema, and dynamic settings. The TV will retain the last setting for each individual input.
- ◆ Previous Channel returns to the previously viewed channel at the push of a button.
- ◆ Supplied universal remote permits control of the TV, DVD, VCR and a tuner/receiver.
- ◆ Trilingual on-screen display (English, Spanish, and French)
- ◆ They are equipped with discrete IR codes for use with a macro/programmable remote

## HL-R5087W Pedestal DLP HDTV

*Designed to meet a level of expectation where others simply don't, the 50" HL-R5087W DLP HDTV is guaranteed to catch your eye whether on or off. It combines award-winning styling with award-winning high definition performance. Experiencing the 50" of inviting wide-screen viewing area is the only distraction that will draw you away from the unique floor standing pedestal styling. Otherwise the same as the 50" HL-R5067W, the HL-R5087W's pedestal display showcases Samsung's design ingenuity and ensures that the set "fits where others won't."*



## Audio

- ◆ 30-watt audio system with two way speakers offer full range of high quality audio.
- ◆ SRS TruSurround XT delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers and headphones. It is fully compatible with all multi-channel formats up to 6.1 channels.

HLR5668W • HLR6168W  
Next-Generation 1080P DLP TVs

Combining Samsung's CinemaSmooth Generation 5 Optical Engine with a 1920 x 1080 pixel progressive display, the 1080P HL-R5668W (50") and HL-R6198W (61") deliver perfectly smooth, cinema film quality HD video and unprecedented image clarity. With top-of-the-line high-definition video conversion, they turn any programming into a captivating, theater-quality experience. They feature the latest version of Samsung's DNIE technology that combines a detail optimizer, motion optimizer, contrast enhancer and color optimizer to provide superior picture quality. They offer the ultimate in connectivity with two HDMI inputs, two component inputs, two

composite and one S-Video. Each features an ATSC Tuner / NTSC Tuner, and they are Digital Cable Ready (DCR) with built-in CableCARD. Cinema Film Mode 3:2 pull down and the Samsung AnyNet System Solution complete the package for the ultimate in performance and convenience.

## DLP TV

	HL-R4266W	HL-R4667W	HL-R5067W	HL-R5667W	HL-R6167W
B&H Number	SAHLR4266W	SAHLR4667W	SAHLR5067W	SAHLR5667W	SAHLR6167W
	DISPLAY				
Diagonal Screen Size	42"	46"	50"	56"	61"
Aspect Ratio	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)	16:9 (Widescreen)
HDTV Tuner/Decoder	Built-in	Built-in	Built-in	Built-in	Built-in
Display Device/Light Engine	Cinema Smooth Gen-5 HD / Single-panel DLP (0.55" DMD Chip)				
Brightness (cd/m2)	1,000	1,000	900	700	600
Contrast	2500:1	2500:1	2500:1	2500:1	2500:1
Pixel Resolution (V/H)	1280 x 720	1280 x 720	1280 x 720	1280 x 720	1280 x 720
Display Format	720p	720p	720p	720p	720p
Digital Cable Ready (DCR)	Yes	Yes	Yes	Yes	Yes
Digital Comb Filter	3 Line	3D Y/C	3D Y/C	3D Y/C	3D Y/C
3:2 Pull Down	Yes	Yes	Yes	Yes	Yes
DNle	Yes	Yes	Yes	Yes	Yes
Color Wheel	7 Segments/10,800 rpm	7 Segments/10,800 rpm	7 Segments/10,800 rpm	7 Segments/10,800 rpm	7 Segments/10,800 rpm
HD Ultra-Fine Pitch Screen	No	Yes	Yes	Yes	Yes
	AUDIO				
Sound Output (RMS)	15w x2	15w x2	15w x2	15w x2	15w x2
Digital Sound Out (Optical)	Yes	Yes	Yes	Yes	Yes
	CONNECTIONS				
RF	2 in	2 in	2 in	2 in	2 in
PC Input (D-sub 15-pin)	—	1 rear	1 rear	1 rear	1 rear
PC Audio In	—	1 rear	1 rear	1 rear	1 rear
A/V In (RCA)	1 Side/2 Rear	1 Side/2 Rear	1 Side/2 Rear	1 Side/2 Rear	1 Side/2 Rear
S-Video In	1 Side/2 Rear	1 Side/2 Rear	1 Side/2 Rear	1 Side/2 Rear	1 Side/2 Rear
Monitor, Audio, Subwoofer Out	1 rear	1 rear	1 rear	1 rear	1 rear
Component (480i/480p/720p/1080i)	2 Rear	2 Rear	2 Rear	2 Rear	2 Rear
DVI Audio In	1 rear	1 rear	1 rear	1 rear	1 rear
HDMI	1 rear	1 rear	1 rear	1 rear	1 rear
POD Slot (CableCard)	1 rear	1 rear	1 rear	1 rear	1 rear
D-Net (IEEE 1394)	—	2 Rear	2 Rear	2 Rear	2 Rear
Anynet (Mini Jack)	1 rear	1 rear	1 rear	1 rear	1 rear
G-Link (Mini Jack)	—	1 rear	1 rear	1 rear	1 rear
	DIMENSIONS & WEIGHT				
TV (WDH)	39.3 x 13 x 29.7"	42.8 x 13.4 x 32"	46.5 x 14 x 34.3"	52.4 x 15.3 x 37.9"	56.9 x 18.4 x 41.6"
TV without Base (WDH)	—	—	—	—	56.9 x 16.5 x 40.7"
Stand (WDH)	39.5 x 17.8 x 19"	43 x 17.8 x 19"	46.5 x 17.8 x 19"	52.4 x 17.8 x 19"	56.9 x 17.8 x 17"
Stand Shelf (WDH)	31.3 x 15.8"	34.8 x 15.8"	34.8 x 15.8"	34.8 x 15.8"	49.2 x 15.8"
TV Weight	61.7 lbs	66.8 lbs	72.8 lbs	80.9 lbs	94.6 lbs
Stand Weight	42 lbs	69 lbs	69 lbs	69 lbs	80 lbs

**SPR-4232 • HPR-4252 • HPR-5052**42- and 50" Widescreen ED  
and HD Plasma TVs

*Samsung's 5th generation plasma panels combine with a proprietary electronic chassis design, and incorporate the latest DNle picture enhancement circuitry to deliver outstanding brightness, contrast and overall picture clarity. Everything you'll need in an ED (Enhanced definition) and HD (High Definition) plasma flat panel TV is here - 10,000:1 contrast ratio, 12-bit processing, 60,000-hour panel life, a jack pack with the latest digital connectors so you can interface with just about any digital source, and integrated cabinet front firing speakers. Performance and convenience in a package that's less than 4" deep with the assurance of a 2-year warranty.*

**FEATURES****Video**

- ◆ To reproduce natural images, they incorporate 12-bit processing capability to produce over 68 billion colors and over 4,000 shades of gray. Compare that to most competitors' 10-bit processing systems that produce just one billion colors. From the faint sunlight of dawn to the extreme spotlights of a fashion show, they provide vivid, life-like images that rival reality.
- ◆ Two of the most important factors in overall picture quality, the contrast (10,000:1 contrast ratio) and brightness levels (1300 cd/m2) achieve new heights in these latest generation plasma panels.
- ◆ 852 x 480 (SP-R4232), 1024 x 768 (HP-R4252) or 1366 x 768 (HP-R5052) pixel resolution presents video and text with outstanding clarity and resolution.

**DNle —Digital Natural Image Engine**

*Samsung's exclusive DNle (Digital Natural Image engine) technology dramatically improves the picture by enhancing contrast, detail, white balance and reducing noise. It offers digital perfection in naturally presented, crystal-clear images that uncover even the most minute detail.*

- Motion Optimizer: fast-moving images are optimized to produce more natural-looking motion, thus reducing video noise or blurring.
- Contrast Enhancer: brightness and contrast levels are enhanced for deeper, richer blacks with greater detail and more natural whites.
- Color Optimizer: colors are reproduced with a more lifelike realism, whites are more accurate, and skin tones are given a more natural hue.
- Detail Enhancer: analyzes video signal elements to produce sharper detail, clearer image separation, and more natural edge transition.
- My Color Control: lets you adjust the individual colors of your set without distorting other colors. Range of adjustment includes Red, Green, Blue, Yellow, Red and White. This ensures true to life green grass, blue sky and realistic skin tones. White Tone enhancement also ensures the purest, brightest whites possible.

**High Performance**

- ◆ Built-in dual NTSC tuner with split screen & PIP (small, large, double). Built-in analog tuner allows you to connect an analog RF signal cable directly to the set and watch "regular" TV right out of the box.
- ◆ Connect your DVD and DTV sources with 2 smart component video (Y/Pb/Pr) inputs that accept 480i/480p/720p/1080i signal
- ◆ They can also function as a PC monitor.
- ◆ Color Tone modes include: Normal, Cool1, Cool2, Warm1, Warm2
- ◆ Picture modes include: Standard, Dynamic, Custom and Movie
- ◆ On-board aspect ratio controls also handles analog 4:3 sources in standard, wide screen, panorama, zoom 1 and zoom 2 modes.
- ◆ 3D Y/C Digital Comb Filter constantly analyzes the three dimensions of picture height, picture width, and picture changes over-time, to dramatically reduce edge image artifacts while improving transition detail.
- ◆ Fanless cooling for low noise operation
- ◆ This set is equipped with discrete IR codes for use with a macro/ programmable remote for key functions.
- ◆ With 60,000 hour panel life, Samsung's 5th generation panels are made to last longer, so you can be confident that the high picture quality will endure.

## SPR-4232 • HPR-4252 • HPR-5052

### Audio

- ◆ SRS TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through the two speaker internal playback system.
- ◆ They incorporate integrated speakers for ease of use and beautiful design. Home theater enthusiasts can use an external audio system can also be used if desired, for full multi-channel audio effect.
- ◆ Powerful built-in amplifier to drive the integrated stereo speakers.
- ◆ Sound modes include: Standard, Custom, Music, Movie and Speech
- ◆ Closed Caption displays dialog that can be read along with encoded broadcast TV programs and pre-recorded videos.
- ◆ Digital Audio Output: 1-Optical, 1-Coaxial

### Conveniences

- ◆ The each come with matching stands for tabletop use. Custom wall mounts are also available for on-wall installation.
- ◆ Trilingual on-screen displays
- ◆ HDMI interface allows for the transmission of both video and audio digital signals through a single connection for higher quality and fewer wires.
- ◆ Floating screen plasma TV creates an image that looks as if it is suspended in thin air. The new, premium "bezel-less" design means there's no frame around the TV for a big, beautiful picture without boundaries. Bottom-mounted speakers and a sleek silver/black color scheme are perfect for elegant, modern decors.
- ◆ Enjoy digital cable and HDTV without a set-top box. Simply plug your cable-company supplied CableCARD into your TV, connect your signal and you're ready to go. Your Samsung TV's remote controls it all.
- ◆ Control all your Samsung A/V components through a single TV remote with Samsung's AnyNet. A network control solution for operating Samsung devices, AnyNet allows you to control key functions of the A/V devices connected to your TV via on screen menu. Many Samsung home theater components now feature AnyNet.

	SPR-4232	HPR-4252	HPR-5052
Screen size	37"	42"	50"
Resolution (HxV)	852 x 480	1024 x 768	1366 x 768
Contrast	10,000:1	10,000:1	10,000:1
Speakers	Built-in	Built-in	Detachable
HDMI Input	Yes	Yes	Yes
Component Inputs	2	2	2
Dimensions	37.5 x 26.4 x 3.5"	41.4 x 29.7 x 3.4"	49.5 x 31.8 x 3.4"
Weight	88.4 lbs.	93.5 lbs.	114 lbs.

## TX-R3079WH • TX-R3080WH

### 30" Wide SlimFit HDTV w/Built-in HD Tuner



*At only two-thirds the depth of a conventional flat screen CRT, the TX-R3079WH and TX-R3080WH deliver the high brightness, contrast and outstanding picture performance that you demand. These new SlimFit TVs not only have a sleek space-saving design, but their HDTV built-in tuner, progressive scan and 3:2 pull down deliver a crisp, flicker-free picture. Otherwise the same, the TX-R3079WH has side speakers, the TX-R3080WH has bottom speakers.*

- ◆ Built-in HDTV Tuner (ATSC/NTSC)
- ◆ 181-Channel Synthesized Tuning
- ◆ 1/3 thinner than regular flat CRT
- ◆ Offers true compatibility with progressive scan DVD Players
- ◆ 3:2 Pull Down Film Frame Rate Correction
- ◆ Color Temperature Controls: Cool, Normal, Warm, selectable with on-screen display
- ◆ Velocity Scan Modulation improves edge detail
- ◆ 4 video presets to optimize the picture for the type of program being watched
- ◆ Built-in speakers (20-watt stereo with adjustable equalizer)
- ◆ BBE High Definition Sound Processing
- ◆ Convenient Side Panel Control Key
- ◆ Multi Function Universal Remote Control
- ◆ Closed caption and V-Chip
- ◆ Auto channel programming and channel labeling
- ◆ Self diagnostic system displays help messages to facilitate set-up and operation.

### Connections

- ◆ HDMI Interface
- ◆ 2 Auto Sensing HD/DVD component video inputs
- ◆ 2 S-Video Inputs (Side & Rear)
- ◆ 4 Composite A/V Inputs (1 Side & 3 Rear)
- ◆ 2 RF Inputs & A/V Monitor output jacks

**AQUOS** LCD TVs

*AQUOS LCD TVs capture attention with incredible image quality, uniquely sculpted style and contemporary design. AQUOS not only changes the way you'll look at television, but also the way television looks. These award-winning TVs offer an elegant alternative to traditional CRTs, and make dramatic statements about your lifestyle. Whichever model you choose, AQUOS TVs redefine what's possible in home entertainment.*

**A WHOLE NEW PERSPECTIVE ON TELEVISION**

From the sleek contemporary design, to the startling clarity of the LCD panel, AQUOS will enhance every aspect of your television experience. 13", 15" and 20" sizes allow you to bring amazing television into every corner of your home. Plus all AQUOS offer component video, S-Video, composite video and RF inputs. And that's just the beginning.

**LONG-LIFE BACKLIGHT SYSTEM**

A redesigned backlight system minimizes light loss, providing a long lamp life of about 60,000 hours (when used continuously in a room at 25°C and in standard lighting conditions and brightness). AQUOS Liquid Crystal Televisions also feature an Auto-Save function that automatically adjusts the brightness of the backlight to match ambient light conditions, contributing to further energy savings.

**EARTH-FRIENDLY DESIGN**

Thanks to their compact size, AQUOS TVs require fewer parts and less packaging than conventional CRT televisions. The main unit employs non-halogen materials and lead-free solder, while the base stand is made of 30% recycled materials. The entire unit disassembles easily and uses unified grades of non-combustible materials for easier recycling. Sharp has eliminated the use of polystyrene packaging and molded parts that contain vinyl chloride, further reducing the burden on the environment.

**LOW POWER CONSUMPTION**

AQUOS TVs consume 30 to 50% less than comparably sized CRT televisions, which not only makes them more economical, but also contributes to the reduction of global CO2 emissions.



## LC-13B8U-S • LC-15B8U-S • LC-20B8U-S

### 13-, 15- and 20" AQUOS LCD TVs

*The AQUOS LC-13B8U-S (13"), LC-15B8U-S (15") and LC-20B8U-S (20") are less than 3" deep, and offer an elegant design with a silver top and bottom, and black side speakers. These LCD TVs feature the most advanced video processing for superb picture quality. And with Sharp's proprietary XGA Advanced Super View LCD panel, they deliver high brightness, 500:1 contrast ratio and 170°/170° viewing angles. It is truly "TV where you want it" for any room in the house.*

- ◆ The LC-13B8U-S and LC-15B8U-S can receive HDTV programs and 480p progressive DVD signals, and use advanced 3:2 pull-down to display EDTV (Enhanced Definition TV). The LC-20B8U-S can receive and display HDTV signals. (DTV decoders required).
- ◆ They are very bright, so you can put them anywhere — even near windows, doors or other light sources — and their picture will still be vivid.
- ◆ Flicker-free, low reflective screen reduces eyestrain, allowing for longer viewing without fatigue.
- ◆ They incorporate Sharp's proprietary ASV (Advanced Super View) LCD Panel with Black TFT low reflection coating to effectively reduce screen glare caused by indoor lights and sunlight.
- ◆ The LC-20B8U-S (only) has a PC input allowing use as a PC monitor.
- ◆ 500:1 contrast ratio provides incredible images whether you're watching dark or bright scenes.
- ◆ 170°/170° viewing angles are so wide that you can view the TVs from almost anywhere in the room.
- ◆ Sharp's LCD backlight life is long enough (60,000-hour lamp life) to give you viewing pleasure for many years.

### LC-15B9U • LC-20B9U

The LC-15B9U has all the same features as the LC-15B8U-S, and the LC-20B9U has all the same features as the LC-20B8U-S, except that they have a titanium top and bottom with black side speakers.

## LC-15S4U-S • LC-20S4U-S

### 15- and 20" AQUOS S4U Series LCD TVs

High-performance and high-style televisions with a wide variety of design and mounting options, the S1U series is driving the future of home entertainment by applying innovation and style to fit into today's home designs, and come in a variety of sizes and colors to fit seamlessly into any decor. They are available in silver/black to complement the color scheme of virtually any room.

The S1U models feature a sleek and minimalist style, ideal for wall installations, including speakers on the bottom of the TV. The result is a streamlined television that is able to fit into many spaces in the home. Another design innovation is the easel-style removable table stand that provides them with a very small footprint when placed on a nightstand, kitchen counter, or any other flat surface.

All S1U models are Enhanced Definition TV monitors, making them compatible with progressive (480P) DVD players. In addition, they include convenient Optical Picture Control (OPC) functionality for automatic brightness adjustments to suit room conditions.



◆ They provide a unique, versatile solution for home installation. Their stylish yet simple design, with speakers placed below the LCD screen, makes them much narrower than side-speaker models. This enables them to fit into many places throughout the home, all without sacrificing any features.

◆ They incorporate Sharp's proprietary ASV (Advanced Super View) LCD Panel with Black TFT low reflection coating to effectively reduce screen glare caused by indoor lights and sunlight.

◆ Built-in 181-channel tuner allows you to plug your cable TV line right into the TV and start watching.

◆ They are very bright, so you can put them anywhere — even near windows, doors or other light sources — and their picture will still be vivid.

◆ 480p (EDTV Monitor) compatibility enables compatibility with progressive DVD players.

◆ 500:1 contrast ratio provides incredible images whether you're watching dark or bright scenes!

◆ 170°/170° viewing angles are so wide that you can view the TVs from almost anywhere in the room!

◆ They include an easel-style table stand that allows the TVs to occupy an amazingly small footprint. In addition, the stand is easily removed for wall mounting applications (VESA 100mm standard mounting pattern and are compatible with a wide range of brackets).

◆ Sharp's LCD backlight life is long enough (60,000-hour lamp life) to give you viewing pleasure for many years.

	LC-13B8U-S	LC-15B8U-S	LC-20B8U-S	LC-15S4U-S	LC-20S4U-S
<b>B&amp;H Number</b>	SHLC13B8US	SHLC15B8US	SHLC20B8US	SHLC15S4US	SHLC20S4US
<b>Screen</b>	13" Active Matrix	15" Active Matrix	20" Active Matrix	15" Active Matrix	20" Active Matrix
<b>Pixel Resolution</b>	VGA (640 x RGB x 480)	VGA (640 x RGB x 480)	XGA (H1024 x RGB x V 768)	VGA (H640 x RGB x V480)	640 x 480 x R/G/B=VGA
<b>Video Systems</b>	NTSC, PAL, PAL-M, PAL-N SECAM, PAL-60	NTSC, PAL, PAL-M, PAL-N SECAM, PAL-60	NTSC, PAL, PAL-M, PAL-N SECAM, PAL-60	NTSC, PAL, PAL-M, PAL-N SECAM, PAL-60	NTSC, PAL SECAM
<b>Audio System</b>	2.1W + 2.1W	2.1W + 2.1W	2.1W + 2.1W	2.1W + 2.1W	2.1W + 2.1W
<b>Contrast Ratio</b>	500:1	500:1	500:1	500:1	500:1
<b>HD Component Input</b>	Y/PB/PR x 1	Y/PB/PR x 1	Y/PB/PR x 2	Y/PB/PR x 1	Y/Pr/Pb x 1
<b>S-Video Input</b>	4-pin DIN x 1	4-pin DIN x 1	4-pin DIN x 1	4-pin DIN x 1	4-pin DIN x 1
<b>Composite Video Input</b>	RCA x 2	RCA x 2	RCA x 2	RCA x 2	RCA x 2
<b>Cabinet Color</b>	Silver top and bottom. Black side speakers.	Silver top and bottom. Black side speakers.	Silver top and bottom. Black side speakers.	Silver	Silver
<b>Power Consumption AC</b>	47W	54W	81W	36W	73W
<b>Dimensions with Stand</b>	71 <sup>31</sup> / <sub>64</sub> x 13 x 8 <sup>13</sup> / <sub>16</sub> " (WHD)	19 <sup>59</sup> / <sub>64</sub> x 14 <sup>3</sup> / <sub>16</sub> x 8 <sup>13</sup> / <sub>16</sub> " (WHD)	25 <sup>1</sup> / <sub>2</sub> x 17 <sup>29</sup> / <sub>64</sub> x 9 <sup>9</sup> / <sub>32</sub> " (WHD)	14 <sup>19</sup> / <sub>64</sub> x 14 <sup>7</sup> / <sub>8</sub> x 7 <sup>1</sup> / <sub>8</sub> " (WHD)	19 <sup>1</sup> / <sub>2</sub> x 18 <sup>25</sup> / <sub>32</sub> x 8 <sup>33</sup> / <sub>64</sub> " (WHD)
<b>Weight with stand</b>	9.5 lbs.	10.6 lbs.	19.4 lbs.	9.5 lbs.	15.2 lbs.

**LC-15L1U-S**

## 15" Wireless AQUOS LCD TV with Built-in Rechargeable Battery

*Making truly digital wireless TV a reality, the LC-15L1U-S is the first battery-operated LCD television in the U.S. Now you can enjoy crystal-clear TV, video and DVD enjoyment virtually anywhere in the home without wires.*

*Attractively styled to match any home decor, it features sculpted, rounded stereo side speakers and a built-in carrying handle and table stand, which makes it easy to move the TV from room to room. A*

*rechargeable battery provides enough power to watch up to three hours of TV on the patio without interruption.*

*As with previous AQUOS models, the LC-15L1U-S uses an Advanced Super View (ASV) panel with Sharp's proprietary "Black TFT" low-reflection coating so it can be placed anywhere – even near windows, doors or other light sources, without sacrificing picture quality. The unit also offers 170° viewing angles, enabling consumers to watch TV clearly from anywhere in the room, as well as high contrast for clear vivid pictures, and high brightness for blacker blacks and exceptional color clarity.*



▲ Digital Wireless Center

The unit's sleek, silver design was created by world-class industrial designer Toshiyuki Kita, who created the high-style look for the entire AQUOS line and whose artwork is in the permanent collection of the Museum of Modern Art.



### Wireless A/V Center

- ◆ Connect all your video sources (TV, DVD, VCR) to this center. It transmits signals wirelessly to the AQUOS TV, up to 50' away, anywhere in the house.
- ◆ Uses Sharp's SmartLink wireless digital audio video transmission system, which operates on the 802.11B wireless standard. It allows you to connect the transmitter to a video source, such as a DVD player, and watch movies or TV shows in any room of the house. The system transmits digital wireless signals using the 2.4 GHz band high-speed spectrum wireless protocols.
- ◆ Built-in, rechargeable high-capacity lithium-ion battery provides approximately three hours of viewing time, allowing plenty of time to enjoy an entire movie, either indoors or outdoors.
- ◆ 60,000-Hour Lamp Life Sharp's LCD backlight life is long enough to give you viewing pleasure for many years.
- ◆ Image Inverter for custom installations allows you to invert the image upside-down or "mirror" image if you need to hang it in an unconventional manner.
- ◆ 170°/170° viewing angles are so wide you can view the TV from anywhere in the room!
- ◆ Supplied Carry Handle/Table Stand is the ultimate in convenience. Easily carry the TV from room to room or detach the one-piece stand for wall mounting. Also included is a docking station to place the TV securely if desired.
- ◆ 500:1 contrast ratio provides incredible images whether you're watching dark or bright scenes.

## LCD vs PLASMA

Feature	LC-TV	Plasma	Advantage
Viewing Angles	All AQUOS LC-TVs have wide 170° horizontal and vertical viewing angles.	Typical plasma TV viewing angles are 160°	<b>LC-TV.</b> Wide TV viewing angles allow greater viewing locations and TV placement.
Screen Sizes	AQUOS LC-TVs come in a variety of sizes: 13", 15", 20", 22", 26", 30", 32", 37" & 45".	Plasma displays are not produced smaller than 32".	<b>LC-TV.</b> AQUOS LC-TVs offer screen sizes to fit nearly every room and budget.
Burn-in	No image burn-in.	The following inputs are not recommended: Computer Input; Video Game input Also, video broadcasts with logos at the bottom, or a station identifying logo "watermark" can cause burn-in of static images	<b>LC-TV.</b> AQUOS LC-TVs offer the most versatile input options.
Brightness	All AQUOS LC-TVs have a brightness rating of 430 cd/m2.	Plasma TVs are measured based on a different standard than LCD panels. When compared under the same circumstances as LC-TV, plasma display brightness is typically about 100 cd/m2.	<b>LC-TV.</b> Brightness is important to help ensure optimal viewing under varied daily lighting conditions.
Weight	LCD panels are lighter and more manageable. Most customers can easily mount an LCD panel. In addition, all AQUOS models come with a built-in table stand.	Plasma TVs are about an inch deeper and are fairly heavy, and may need additional wall support or professional installation.	<b>LC-TV.</b> AQUOS LC-TVs easily mount and move. In addition, they also offer versatile installations with use of mounting brackets and articulating arms. The heavier more fragile Plasma TVs can be a challenge to move and have limited installation options.
Product Life	AQUOS LC-TVs have a life-span of 60,000 hours.	Typical plasma displays have a life-span of 20,000 to 30,000 hours and once the brightness level decreases, there is no recovery, so the TV must be replaced.	<b>LC-TV.</b> Make your investment last longer.
Power Consumption	LCD panels consume about half the power of plasma displays.	Plasma displays require more power to light each cell individually.	<b>LC-TV.</b> Save energy costs and the environment.
Altitude	No altitude limitations.	When Plasma TVs are placed in homes at elevations above 6,500 feet, they will often emit an annoying buzzing noise. This is due to the fact that the plasma gas inside the TV is subject to air pressure, and the higher the altitude, the more the TV will be prone to buzzing.	<b>LC-TV.</b> AQUOS LC-TV will perform consistently regardless of altitude.



**LC-26DA5U • LC-32DA5U • LC-37DB5U****AQUOS 26- 32 -and 37" 16:9 Widescreen HDTVs**

*Combining performance, flexibility, value and style, the LC-26DA5U (26"), LC-32DA5U (32") and LC-37DB5U offer superior picture quality, sleek silhouettes and the latest digital interfaces, so they can be used for everything from the centerpiece of an advanced home theater system to a bedroom unit for watching late-night TV.*

*Featuring a response time of less than 12 milliseconds, WXGA resolution of 1366 x 768 pixels for compatibility with 1080i and 720p digital and HDTV programming, and a true 16:9 aspect ratio, they provide a superior movie-watching vehicle. (A separate HDTV tuner/decoder is required to display HDTV broadcasts, the LC-37DB5U has a built-in ATSC decoder).*

*To bring out the depth of color in today's vibrant movies and television shows, they offer dynamic contrast ratio of 4000:1, while their Advanced Super View LCD Panel with black TFT low-reflection coating provides rich, lifelike image even in less-than-ideal viewing situations. Viewing is further enhanced with high-aperture speakers to ensure the audio is as outstanding as the video. With their stylish design, they seamlessly fit into any decor. The detachable table stand allows installation in a variety of scenarios, including wall mounting. For added flexibility, they are equipped with advanced digital interfaces including HDMI and two component video terminals.*

**FEATURES****Video**

- ◆ With a 16:9 aspect ratio, HDTV-compatible resolution of 1366 x 768 and breathtaking color purity, they are the next-generation TV to carry you into the high-definition future.
- ◆ They utilize Sharp's proprietary Advanced Super View/Black TFT Panel, which provides high levels of brightness (450 cd/m<sup>2</sup>) and 4000:1 dynamic contrast ratio.
- ◆ They are HDTV monitors, which means they are compatible with off-air, cable and satellite HDTV 1080i and 720p signal broadcasts (separate DTV decoder required).
- ◆ High 800:1 contrast ratio provides incredible images whether you're watching dark or bright scenes.
- ◆ 170°/170° viewing angles are so wide that you can view the TVs from almost anywhere
- ◆ Quick Shoot (QS) video circuit enables fast response time of less than 12ms for breath-taking fast-motion image reproduction

**Conveniences**

- ◆ For convenient state-of-the-art connections they are equipped with an HDMI (High Definition Multimedia Interface), the standard for digital audio and video. HDMI provides an easy, single-cable connection to digitally transmit both audio and video signals for high resolution images and sound, as well as suppressed signal noise.
- ◆ Elegant design with built-in 20-watt (10w+10w) speakers ensures the sound is as outstanding as the picture. In addition, the included table stand can be easily removed for wall mounting applications.
- ◆ They are so bright you can put them anywhere – even near windows, doors or other light sources, and their picture will still be vivid.
- ◆ State-of-the-art widescreen LCD- TVs, they easily enhance the decor of any family room, living room, bedroom, or den.

**Audio**

- ◆ From the crack of a bat to the delicate nuance of a piano key, integrated digital 1-bit amplifier and speakers deliver spectacular sonic realism, helping bring widescreen images to life.

**Inputs/Outputs**

- ◆ HDMI In
- ◆ 2 HD Component In
- ◆ 1 S-Video In
- ◆ 3 Composite Video In
- ◆ 3 Audio L/R In
- ◆ RF
- ◆ RS232C
- ◆ Composite, S-Video Output
- ◆ LC-37DB5U adds: Digital RF and optical digital output

## AQUOS D4U & D6U Series

AQUOS 26-, 32- and 37"

16:9 Widescreen Digital Cable Ready HDTV Televisions

*The elegant and integrated answer to HDTV, the D4U and D-6U series are Digital Cable Ready HDTVs, equipped with a fully-integrated HDTV tuner and CableCARD compatibility. Just connect to any HDTV-capable source and enjoy all the visual excitement only AQUOS can deliver. The unmatched picture quality of Sharp's proprietary Advanced Super View Black TFT Panel is complemented by the built-in digital 1-Bit amplifier which delivers sound just as exceptional. Side speakers easily detach for wider stereo imaging. In addition, each D4U model includes HDMI and dual HD component video inputs, plus Sharp's exclusive Quick Shoot video circuit for smooth playback of fast moving images with a rapid response time of less than 12 milliseconds. Boasting the same cutting-edge technology as the D4U Series, the AQUOS D6U models differ only in their stunning titanium design and detachable speakers located beneath the screen. This narrow silhouette provides excellent placement and mounting options with all the performance and features desired in a high-style HDTV.*



### Step-up features from the LC-26DA4U • LC-32DA4U • LC-37DB5U (previous page) Digital Cable Ready with CableCARD Slot

The AQUOS D4U series (26" LC-26D4U, 32" LC-32D4U, 37" LC-37D4U) and D6U series (26" LC-26D6U, 32" LC-32D6U, 37" LC-37D6U) Digital Cable Ready, including a CableCARD slot. This means you have "plug-and-play" with a CableCARD from any HDTV-capable cable TV system provider, without a separate cable set-top box. Receive unscrambled analog, digital basic and digital premium cable television programming, including HDTV. You simply obtain a CableCARD from your cable provider, slip it into the CableCARD slot and you're ready to go—no cable box, no wires, no waiting!

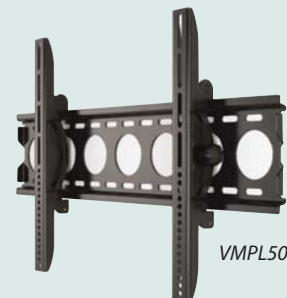
## SANUS Flat Panel TV Wall Mounts

**VM1 Wall Mount with Tilt and Swivel Motion:** For all Sharp LCD TVs from 13" up to 26". 4.5 x 2.5 x 6".

**VM3 Wall Mount with Tilt, Swivel, Extend and Pan Motion:** For all Sharp LCD TVs from 13" up to 26". 4.5 x 14.5 x 6".

**VMPL50 Wall Mount with Tilt Motion:** For all Sharp LCD TVs from 32" up to 45". Virtual Axis tilt adjustment system provides smooth tilt motion with the touch of a fingertip. 32 x 12 x 8.25".

**VM5A Wall Mount with Tilt, Swivel and Pan Motion:** Features the Virtual Axis tilt adjustment system, and supports all Sharp LCD TVs from 32" up to 45". An extension arm allows the TV to swivel for optimum viewing. 29.5 x 2.4-10 x 18.5".



**LC-45GD7U****AQUOS 45" 16:9 Widescreen HDTV**

*With bottom-mounted, detachable speakers and remarkably slim titanium colored cabinet, the LC-45GD7U flawlessly blends into any decor. This brilliantly designed AQUOS utilizes Sharp's advanced technology to provide high brightness, HDTV 1080p resolution and 170° viewing angles.*

*Enjoy the latest cable-TV HDTV programming without the added bulk or expense of an additional set-top box. The LC-45GD7U is a Digital Cable-Ready LC HDTV with full CableCARD compatibility for "plug and play" capability. It offers 1920x1080 resolution for full HDTV spec 1080p display. For convenience, the user-friendly TV Guide On Screen—free interactive programming guide, provides complete control over digital television viewing. Also features Quick Shoot video circuitry for fast response time of less than 12 milliseconds, HDMI and DVI advanced digital interfaces, high brightness and 800:1 contrast ratio.*

**LC-65D90U****AQUOS 65" 16:9 Widescreen HDTV**

*The largest Liquid Crystal Television in the world, the 65" LC-65D90U has features that are as grand as the TV itself. This luxuriously designed AQUOS television employs Sharp's proprietary picture technology to ensure authentic high-definition cinema-quality viewing. At full 1080p resolution and with a true 16:9 aspect ratio, the 65-inch AQUOS delivers unrivaled picture quality through a screen size that is simply unparalleled.*

*Vibrant colors stream from every pixel thanks to the introduction of a Four-Wavelength Backlight System. The blue, green, red and deep crimson red colors that pour out of this newly-developed technology enable the LC-65D90U to reproduce red-scale colors such as wine-dark red that were previously very challenging. This titanium colored marvel radiates reds that are purer and more accurate than ever before.*

*With unparalleled full 1080p (1920 x 1080) HDTV resolution, the LC-65D90U offers the pinnacle of DTV resolution formats. It also includes a CableCARD slot, so users can enjoy all the latest HDTV offerings without the necessity of a separate cable-TV set-top box. Other features include Quick Shoot video circuitry for fast response time of less than 12 milliseconds; contrast ratio of 800:1 and 450 cd/m2 high brightness; HDMI, IEEE1394 and DVI-I digital interfaces.*

## AQUOS TV Specifications

	DA5 Series	DB5 Series	D4 / D6 Series	D7 Series	LC-65D90U
Screen Size(s)	26" / 32"	37"	26" / 32" / 37"	37" / 45"	
Number Of Pixels	1366 x 768	1366 x 768	1366 x 768	1920 x 1080	1920 x 1080
CableCARD Slot	–	–	Yes	Yes	Yes
Tuner Type	NTSC	NTSC/ATSC	NTSC/ATSC	NTSC/ATSC	NTSC/ATSC
Audio Output	10W x 2	10W x 2	10W x 2	10W x 2	10W x 2
Speaker Location	Sides	Sides	Sides / Bottom	Bottom	Bottom
TV Guide On Screen	–	–	–	Yes	Yes
HDMI In	1	1	1	1	1
DVI-I with Audio In	–	–	–	1	1
HD Component In	2	2	2	2	2
Composite/S-Video Inpt	3/1	3/1	3/1	3/1	3/1
Audio L/R	3	3	3	3	3
RF	1	1 Analog, 1 Digital	1 Analog, 2 Digital	1 Analog, 2 Digital	1 Analog, 2 Digital
RS-232C	1	1	1	1	1
IEEE 1394 (i.Link)	–	–	1	1	1
Optical Digital Audio Output	–	1	1	1	1
Composite/S-Video Output	1/1	1/1	1/1	1/1	1/1
Analog Audio Output	1	1	1	1	1
Cabinet Color	Silver	Silver	Piano Black / Titanium w/ Black Sides	Titanium	Titanium
Dimensions w/ Stand, Speakers	33 <sup>3</sup> / <sub>8</sub> " x 16 <sup>29</sup> / <sub>64</sub> " x 4 <sup>31</sup> / <sub>64</sub> " 38 <sup>37</sup> / <sub>64</sub> " x 22 <sup>3</sup> / <sub>4</sub> " x 4 <sup>31</sup> / <sub>64</sub> "	43 <sup>1</sup> / <sub>2</sub> " x 28 <sup>15</sup> / <sub>32</sub> " x 12 <sup>3</sup> / <sub>64</sub> "	33 <sup>3</sup> / <sub>8</sub> " x 19 <sup>9</sup> / <sub>16</sub> " x 10 <sup>15</sup> / <sub>64</sub> " 38 <sup>37</sup> / <sub>64</sub> " x 19 <sup>13</sup> / <sub>32</sub> " x 11 <sup>3</sup> / <sub>8</sub> " 43 <sup>1</sup> / <sub>2</sub> " x 25 <sup>15</sup> / <sub>32</sub> " x 12 <sup>13</sup> / <sub>64</sub> " 26 <sup>17</sup> / <sub>32</sub> " x 22 <sup>21</sup> / <sub>64</sub> " x 10 <sup>35</sup> / <sub>64</sub> " 31 <sup>49</sup> / <sub>64</sub> " x 25 <sup>21</sup> / <sub>32</sub> " x 11 <sup>3</sup> / <sub>8</sub> " 36 <sup>37</sup> / <sub>64</sub> " x 28 <sup>11</sup> / <sub>32</sub> " x 12 <sup>1</sup> / <sub>64</sub> "	43 <sup>9</sup> / <sub>64</sub> " x 31 <sup>1</sup> / <sub>2</sub> " x 11 <sup>31</sup> / <sub>32</sub> "	61 <sup>7</sup> / <sub>8</sub> " x 45 <sup>21</sup> / <sub>32</sub> " x 17 <sup>1</sup> / <sub>8</sub> "
Weight w/Stand, Speakers	35.3 lbs. / 43 lbs.	56.2 lbs.	36.4 lbs. / 44.1 lbs. / 57.3 lbs. 37.5 lbs. / 46.3 lbs. / 60.6 lbs.	79.4 lbs	174.2 lbs.

## 56DR650 • 65DR650

### 56- and 65" DLP Rear Projection HDTVs

Sharp's 56DR650 and 65DR650 rear projection televisions are uniquely styled, high performance 56" and 65" HDTVs with a flat panel appearance. Featuring award-winning Texas Instruments DLP micro-display technology, these rear projection televisions meets the growing demand for big-screen entertainment.

Measuring less than 19" deep, these sleek, integrated HDTVs fit easily into most living rooms to deliver beautiful picture quality with a superior contrast ratio and wide viewing angles, as well as lifelike sound.

The Texas Instruments DLP chip, combined with Sharp's DLP engineering expertise, produces outstanding 720p HDTV images. They have built-in NTSC and ATSC tuners for receiving free over-the-air analog and digital broadcasts. They also have advanced HDMI and component inputs, allowing you to add DVD recorders and set-top boxes.



## FD Trinitron WEGA (VAY-guh) Televisions

Twenty five years ago, Sony introduced to the world a better way to watch television. The outstanding brightness, sharpness and color purity of Sony's Trinitron system quickly became the standard which all televisions are measured against. And in 1973, the Trinitron system won perhaps the ultimate accolade. It became the only color TV system ever to win a technical achievement Emmy Award for picture quality. It's fair to say that the Trinitron tube, more than anything else, cemented Sony's reputation for high quality. Today, video production and TV broadcasting studios use Sony Trinitron monitors to evaluate their work. Executives use Trinitron monitors to show off computer spreadsheets. Micro-surgeons monitor their work on Trinitron sets. And Trinitron color radar CRTs guide passenger airline pilots past thunderstorms. In fact, any application where color, brightness, resolution and accuracy are absolute requirements.

But the dawn of the digital era imposed new demands on televisions systems. This drove Sony engineers to develop a new system, with even greater levels of performance. The result? FD Trinitron WEGA television. A revolutionary CRT



technology, "FD" or Flat Display has redefined the way we watch TV. Compared to Sony's previous best TV, the FD system is eleven times flatter. This translates into superb resolution, outstanding contrast, uncompromising accuracy, and corner-to-corner detail that will thrill you. By incorporating Sony's proprietary FD Trinitron picture tube, FD Trinitron WEGA TV creates a vertically and horizontally flat screen. This results in minimal glare and virtually no distortion. The fine pitch aperture grille produces strong detail and high resolution. A larger deflection yoke and longer electron gun than found in the original Trinitron technology have been incorporated for precise corner-to-corner focusing and better data and text reproduction.

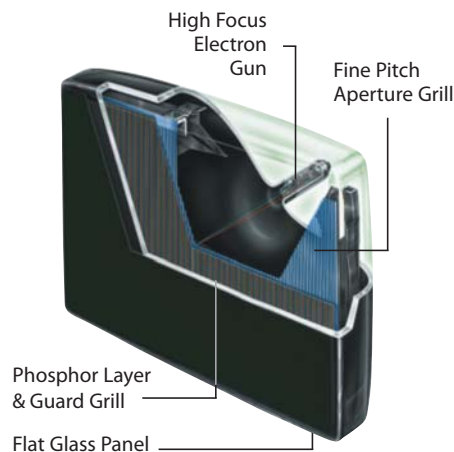
### THE TECHNOLOGY:

Flat Glass Panel uses advanced glass technology for the structural rigidity a flat screen requires. The industry's first flat CRT, the Flat Glass Panel delivers accurate picture reproduction with a dramatic reduction in glare and image distortion. This design allows also results in wide viewing angles allowing flexible room placement.

The Flat Glass Panel is matched by a flat Fine Pitch Aperture Grille which delivers outstanding detail and clarity by decreasing the "pitch" or distance between the high tension wires. The grille also helps to support the picture tube structure.

Flat-screen CRTs demand incredible depth-of-focus. To accomplish this, Sony increased the internal focal length of the electron gun by 30%. This improves corner-to-corner focus by 20% without making the overall gun larger.

Sony redesigned the deflection yoke so each electron maintain its shape for accurate image reproduction. The High Precision Deflection Yoke (DY) is 30% larger than a conventional Trinitron DY, so whether you're watching broadcast television, surfing the Internet (with an optional WebTV terminal) or enjoying Digital Satellite System programming, the picture is precise from top to bottom, side to side and corner to corner.



## KV-13FS100

## 13" FD Trinitron WEGA TV

## Flat Picture Benefits

**Picture Detail**

Unlike curved screens which distort the shapes of objects in the TV picture, the FD Trinitron flat screen renders everything accurately. For the first time in a big CRT, squares are truly square. Circles appear circular. And all straight lines are actually straight, including vertical, horizontal and diagonal. Since the geometry of all on-screen objects is correct, everything appears more real, more convincing, more lifelike.

**Wide Viewing Angle**

FD Trinitron provides a wide viewing angle because there is no screen bulge to obscure part of the picture. To really appreciate the FD Trinitron difference, walk toward the side of a conventional TV and notice how the screen bulge tends to block part of the picture. You can view the FD Trinitron television through almost a full 180° angle - without losing any picture information.

**Pinpoint  
Corner-to-Corner Focusing**

The FD Trinitron delivers outstanding image detail not only at the screen center, but also in the corners. Sony's High-Focus Electron Gun and High-Precision Deflection Yoke make it possible.

**Minimum Glare**

The FD Trinitron picture tube is visually flat. Unlike curved screens which reflect more sources of room light - washing the picture out, the flat screen minimizes the reflection of room lights, especially from the ceiling and sides. Beyond suppressing reflections to the bare minimum, it also maximizes contrast, for a deeper, richer, more convincing picture.

**Square Corners**

The FD Trinitron tube has square corners giving you the maximum amount of picture information. This makes them ideal for DTV widescreen (16:9) models.

*The KV-13FS100 adds style to the smallest spaces. Features include a 3-Line Digital Comb Filter, Dynamic Picture, Stereo Sound (3-watt x2) with side speaker design, and a component video input. Also offers a host of conveniences including Auto Channel Program, Speed Surf channel selection, Caption Vision (CC), Channel Fix, Channel Skip/Add, Video Label, V-Chip parental control, two-event clock/timer, on-screen display in English, Spanish or French, and a sleep timer.*



## FEATURES

**High Performance**

- ◆ Dynamic picture processor continuously adjusts the brightness and contrast to maintain image detail in the very bright and dark areas of each scene.
- ◆ 3-line digital comb filter removes dot crawl and hanging dots, horizontally and vertically.
- ◆ Trinitron Color Temperature function chooses the color temperature of Cool, Neutral or Warm for better picture quality.
- ◆ Vertical Aperture Compensation improves vertical edge detail for sharper pictures. For example, in recreating the letter "H", it ensures the cross bar edges are crisp.
- ◆ Two sets of composite A/V inputs (1 front, 1 rear), RF input and a component input. Front inputs are ideal for game like PlayStation. Also has a headphone output jack for private listening. Includes RM-Y173S remote control.

**Conveniences**

- ◆ Auto Channel deletes vacant channels.
- ◆ Auto SAP for broadcasts with a Separate Audio Program
- ◆ Auto Mute automatically mutes the audio output when no signal is received. Prevents a blast of static on vacant channels.
- ◆ Channel Caption enables you to program up to 12 channels with their call letters. For example, Channel 2 as CBS.
- ◆ Channel Label allows you to label up to 20 channels with their station call letters
- ◆ Channel Fix assigns a specific TV channel for cable box control. Lets you control a compatible cable box via the TV remote
- ◆ Channel Skip allows you to block preset channels to ensure their not viewed.
- ◆ Favorite Channel lets you select one-button access to any 5 channels (manual) or the last 5 channels you were watching (auto).
- ◆ Personalize your TV with advanced on-screen menus
- ◆ Programmable timer lets you program the TV to turn on/off automatically for up to 6 hours on any of two preset days, times, and channels —never miss your favorite shows.
- ◆ Speed Surf Channel Selection allows for quick scanning of channels at the touch of a button.
- ◆ Sleep Timer lets you fall asleep to TV, by shutting off after 30, 60 or 90 minutes.
- ◆ Video Label enables you to identify which component is connected to each video input with on-screen titles such as "VCR" and "DVD".
- ◆ V-Chip parental control over the shows your kids watch, even when you're not home. The V-Chip system works with TV ratings system to block programs. Blocked programs are protected by a 4-digit password.

**KV-20FS120 • KV-24FS120****20- and 24" FD Trinitron WEGA TVs**

*Feel like part of the action with the flawless image quality that the Sony KV-20FS120 and KV-24FS120 provide. They utilize FD Trinitron WEGA Flat Screen Technology to deliver incredible image accuracy, wide viewing angles and corner-to-corner detail. The flat FD Trinitron tube renders images more accurately than a curved screen, and it reduces annoying glare from light sources. They ensure superior picture quality with vertical aperture compensation, tilt correction, Trinitron color temperature, Dynamic Picture processor circuitry and auto white balance. The Digital Comb Filter ensures maximum picture detail and resolution, and the Matrix Surround Sound provides fuller and more powerful audio (10W x 2). Additional features include Speed Surf*

*Channel Selection, V-Chip Parental Control, Channel Jump, two-event clock/timer and favorite channel memory.*

**Step-up features from the KV-13FS100—**

- ◆ Matrix Surround Sound uses the front speakers to produce room filling sound—surround sound experience—without additional components.
- ◆ SRS (Sound Retrieval System) 3D Audio Effect System filters and equalizes low-frequency and mid-range frequency signals to “position” stereo sounds in three dimensional space—recreating live “3D” sound.
- ◆ Accessible via the menu, Enhanced 16:9 mode allows widescreen content to be viewed in the best possible picture quality. With anamorphic DVDs and HD content, all scanning lines are concentrated to scan in widescreen area only.
- ◆ S-Video input (rear) for connection of high quality video sources

**KV-27/32/36FS120****27-, 32- and 36" FD Trinitron WEGA TVs**

*Enjoy incredible image accuracy and wide viewing angles with Sony's FS120 series WEGA TVs. Stepping up from the KV-20FS120 and KV-24FS120 they feature ClearEdge VM Wideband Velocity Modulation which doubles the velocity modulation capacity by taking advantage of higher frequency sources such as DVD and DSS, creating sharper edges and better depth. Program Palette Presets, Dynamic Focus Circuitry, and Magnetic Quadra Pole to ensure it delivers incredible image accuracy, outstanding contrast and corner-to-corner detail.*

**Step-up features from the KV-20/24FS120—**

- ◆ Magnetic Quadruple Pole reduces spot distortion to improve corner-to-corner focus and picture sharpness.
- ◆ ClearEdge VM Wideband Velocity Modulation separates the object and its background, producing clearer edges, better picture depth and improved overall picture quality. Select High, Medium, Low, or Off.
- ◆ Dynamic focus circuitry maintains big-screen focusing accuracy from corner-to-corner.
- ◆ Steady Sound with BBE enhancement equalizes volume levels so you're never overwhelmed by sudden volume fluctuations. Ensures consistency between programs and commercials.
- ◆ Speakers can be turned on or off
- ◆ Program Palette Presets (or stored picture settings), optimize contrast, brightness, hue, color, etc. for different types of programming. For MOVIE (greater visual detail), SPORTS (vivid brightness and detail), VIVID (better detail in bright environments) and GAME (eases bright video game colors & graphics). STANDARD reverts standard settings.



## KV-27/32/36HS420

27-, 32- and 36"  
FD Trinitron WEGA Hi-Scan TVs

*Experience TV like you've never seen before with Sony's HS420 series of WEGA Hi-Scan televisions. They step-up from the FS120 series with features like Hi-Scan 1080i display, HD Detailer and CineMotion Reverse 3-2 Pulldown technology which improves the look of older videos by preserving the integrity of the original film frames. Incorporating DRC Digital Reality Creation Multi-function circuitry, they provide four times the picture resolution, for images are strikingly clear and incredibly vivid. They include HDMI/HDCEP interface for versatile digital connectivity, and many more inputs and outputs. They also add Favorite Channel with preview and TruSurround SRS audio.*

**Step-up features from the KV-27/32/36FS120—**

- ◆ Hi-Scan 1080i display means they are HDTV - ready with the ability to display high-definition broadcasts (480p, 720p, 1080i) in true high definition resolution when you attach an optional set-top box or DTV decoder.
- ◆ DRC (Digital Reality Creation) multifunction circuitry replaces the signal's NTSC waveform with the HD equivalent, while doubling the number of vertical and horizontal lines. This results in an image with 4X the density of the original quality source including DVD, satellite, and digital camcorders.
- ◆ High-voltage regulator maintains consistent image size, despite variations in brightness during scene changes and channel changes.
- ◆ HD Detailer is a wideband video amplifier that has a high bandwidth frequency rating, allowing it to send more video information to the screen, resulting in finer picture quality, especially for HD sources.
- ◆ HDMI (High-Definition Multimedia Interface) with HDCP (High Definition Copy Protection) provides an uncompressed, all-digital audio/video interface between the TVs and HDMI-equipped A/V component, such as a set-top box, DVD player, and A/V receiver.
- ◆ Scrolling Channel Index System allows you to view one main image and four inset channels simultaneously.
- ◆ Fixed/variable audio output allows sound to be sent to additional equipment like an A/V receiver, speakers or wireless headphones.
- ◆ TruSurround SRS sound delivers 3-dimensional stereo sound by "reading" audio signals and adjusting audio effects for pure sound. WOW Audio Effect provides richer, fuller bass frequencies and enhances clarity of speech offering a full audio spectrum.
- ◆ CineMotion Reverse 3-2 pulldown processing provides optimal picture quality for film-based (24 frames-per-second) sources. It displays these film-originated images in vivid 480p progressive scanning, restoring the integrity of the original film frames, just like in the movie theater.
- ◆ Control S port enables communication with similarly equipped components for simplified operation of a home theater system.
- ◆ ID1 Detection automatically acknowledges the incoming DVD signal and adjusts the set to display it in the appropriate 16:9 format. You never have to manually change the aspect color ratio.
- ◆ Two rear component inputs, 1 front and 3 rear composite inputs, HDMI interface, 1 front and 2 rear S-Video inputs with detection, audio out and monitor out.

## KV-30/34/HS420

## 30- and 34" FD Trinitron WEGA Hi-Scan TVs



*Turn your home into a cinema with the 30" KV-30HS420 or 34" KV-34HS420. Same features as the 27-, 32- and 36" HS420 series, except they combine a high-quality 16:9 FD Trinitron picture tube with a Hi-Scan 1080i display and DRC Digital Reality Creation multi-function circuitry, to produce visuals like no others.*

## KD-32FS130 • KD-36FS130

*Extremely affordable 4:3 SDTV sets with integrated ATSC/QAM/NTSC tuner, the DK-32FS130 (32") and KD-36FS130 (36") are ideal additions to any home entertainment system on a budget. They feature FD Trinitron Flat CRT screen which delivers a picture with uncompromising accuracy and outstanding image detail via a technologically advanced tube, ClearEdge VM Wideband Velocity Modulation, Steady Sound Automatic Volume Control with BBE, and SRS Audio Effect, which produces a dynamic three-dimensional sound for stereo programs.*



- ◆ FD Trinitron Flat CRT delivers a picture with uncompromising accuracy and outstanding image detail via a technologically advanced tube.
  - ◆ Analog and Digital Receivers built-in tuners allow you to receive both analog and digital (ATSC and clear-QAM) programming. Digital programming is available via terrestrial signals (over-the-air) or unscrambled cable signs provided by your cable company.
  - ◆ Component video inputs for superior picture quality (480i only).
  - ◆ BBE technology gives sound more impact by using audio technology to compensate for phase effects in speakers.
  - ◆ SRS audio produces a dynamic three-dimensional sound for stereo programs.
  - ◆ Parental Control (V-Chip) allows parents to block unsuitable programming from younger viewers.
  - ◆ Clear Edge VM wideband velocity modulation lets you to select levels to create better separation between an object and its background for clearer edges, greater picture depth and better overall picture quality.
  - ◆ Set up and select from up to five of your favorite channels.
  - ◆ Digital Channel Guide select digital channels from an on-screen program guide.
  - ◆ Universal Remote control operates your connected cable box, digital satellite receiver or DVD player.
  - ◆ Front panel controls for access to the on-screen menus without the remote control.
  - ◆ Front A/V inputs let you quickly connect your camcorder or games
- u Two component video input (Rear), three composite video input (1 Front/2 Rear) S-Video and RF input (Rear), Variable/Fixed Audio Out (Rear)

### Sony Stands for FS120 and HS420 Series WEGA Trinitron TVs



Designed for the FS120, the FS2 silver stands have all the space you need for storing additional audio and video equipment. Their smart and sleek design (closed concept stand with glass doors) is the perfect addition to any home entertainment system. Designed for HS420 series (as well as the KD-34XS955), the durable HX1 stand comes complete with the strength and storage space you need for additional audio and visual equipment. Back panel allows for easy access to component connections.

#### **SU-27FS2** (SOSU27FS2)

For the KV-27FS120. Dimensions are 38 $\frac{3}{8}$  x 18 $\frac{1}{4}$  x 24 $\frac{1}{8}$ " (WxDxH) ..... **129.95**

#### **SU-32FS2** (SOSU32FS2)

For the KV-32FS120. Dimensions are 34 $\frac{3}{8}$  x 20 x 24 $\frac{3}{8}$ " (WxDxH) ..... **159.95**

#### **SU-36FS2** (SOSU36FS2)

For the KV-36FS120. Dimensions are 38 $\frac{3}{8}$  x 18 $\frac{1}{4}$  x 24 $\frac{1}{8}$ " (WxDxH) ..... **159.95**

#### **SU-27HX1** (SOSU27HX1)

For the KV-27HS420. Dimensions are 33 $\frac{1}{2}$  x 19 $\frac{1}{2}$  x 24 $\frac{1}{8}$ " (WxDxH) ..... **149.95**

#### **SU-32HX1** (SOSU32HX1)

For the KV-32HS420. Dimensions are 37 $\frac{3}{8}$  x 17 $\frac{3}{8}$  x 26 $\frac{1}{2}$ " (WxDxH) ..... **179.95**

#### **SU-36HX1** (SOSU36HX1)

For the KV-36HS420 and KD-36XS955. 41 $\frac{1}{8}$  x 18 $\frac{3}{8}$  x 26 $\frac{3}{8}$ " (WxDxH) ..... **Call**

#### **SU-30HX1** (SOSU30HX1)

For the KV-30HS420 and KD-30XS955. 38 x 19 $\frac{5}{8}$  x 26 $\frac{1}{2}$ " (WxDxH) ..... **249.95**

#### **SU-34HX1** (SOSU34HX1)

For the KV-34HS420 and KD-34XS955. 41 $\frac{1}{8}$  x 18 $\frac{3}{8}$  x 26 $\frac{5}{8}$ " (WxDxH) ..... **239.95**

## KD-32XS945/36XS955 • KD-30XS955/34XS955

32/36" 4:3 and 30/34" Widescreen 16:9 FD Trinitron WEGA Hi-Scan TVs with Built-in ATSC Tuner and Cable CARD Slot

*Digital cable ready, fully integrated HDTV sets, they all feature a Super Fine Pitch CRT, Hi-Scan 1080i Display, and Cinemotion Reverse 3-2 Pulldown Technology, to bring you a visual that is brighter and more vivid than ever before. For over-the-air HD reception, they incorporate an ATSC Integrated Tuner and are Digital Cable Ready with a CableCARD Slot. By merging digital cable receiver technology with advanced high definition television for simplicity and convenience along with the CableCARD-based interface, these TVs are com-*

*patible with virtually any cable system in the country. Last, you can even view your photos onscreen while listening to MP3 audio with their built-in enhanced Memory Stick Media slot—bringing your entertainment experience to a new level. The KD-30XS955 and KD-34XS955 are 16:9 widescreen models, the KD-32XS945 and KD-36XS955 are standard 4:3.*



KD-30XS955 16:9 widescreen model



KD-36XS955 shown on an optional stand

### Step-up features from the KV-27/30/32/34/36HS420—

#### Video

- ◆ Full HDTV with built-in ATSC tuner for over-the-air HD reception. The integrated ATSC/QAM/NTSC tuner allows the reception of local, off-air digital broadcasts providing the viewing of free, true high-definition network programming without the addition of a set top box or a monthly fee.
- ◆ Improved High Precision Deflection Yoke, Fine Focus Electron Gun and the inclusion of higher intensity luminescent phosphors. The result is a more detailed image for both moving and still images, higher resolution picture quality, and better edge detail.
- ◆ SuperFine Pitch CRT provides better image detail with high definition sources. The Aperture Grill was improved by making the vertical slits a finer pitch that increases the number of slits by up to 65% (16 x 9 base).

#### Cable Technology

- ◆ They comply with CableCARD technology. CableCARD is a removable security module which when inserted in a digital cable ready receiver or TV, enables the delivery of secure, digital audio/video content. It allows consumers to receive digital cable programming, including HDTV content without the need of a cable box from the local cable operator.

#### Inputs/Outputs

- ◆ They feature four composite (3 rear, 1 front), three S-Video (2 rear, 1 front) and two rear-panel HD-compatible component inputs. There is also a rear-panel HDMI digital audio/video input with HDCP copy protection, two RF inputs, and optical digital audio output for Dolby Digital.

#### Audio

- ◆ 30-watt (two 7.5-watt speakers and a 15-watt subwoofer) DAC speaker system provides resonant bass response while mid-range sounds are pumped forward for clear dialog reproduction. Separate tweeters aimed to the front balance out the sound.
- ◆ To enhance the sound, you can select TruSurround, which adds a three-dimensional sound to stereo programs, or Simulated, which adds a surround-like effect to mono programs.

#### Memory Stick Slot

- ◆ Memory Stick media slot for convenient JPEG and MPEG1 file playback. It can also display customized slide show with MP3 file background music. Compatible with Memory Stick Pro and Duo media formats.

**KLV-S15G10 • KLV-S20G10**15- and 20" WEGA  
Flat Panel 4:3 LCD TVs

Compliment any room in the house with Sony's sleek KLV-S15G10 (15") and KLV-S20G10 (20") LCD WEGA Flat Panel TVs. They feature CineMotion reverse 3:2 pulldown circuitry to provide a consistently smooth image and a SRS WOW Audio Effect enabling you to enjoy powerful sound effects like those in a movie theater. They also include Steady Sound which equalizes volume levels, so there is consistent output between programs and commercials. And, if you are an avid film watcher, their component video input offers the best video quality for DVD (480p and 480i), and digital set-up top box. For convenience, the Favorite Channel feature lets you preview and select from eight of your favorite channels.

**FEATURES****Video**

- ◆ Wide Screen Mode allows you to watch conventional 4:3 aspect ratio broadcasts in wide screen (16:9) mode.
- ◆ Component video Input provides greater color accuracy than composite and S-Video when connecting to compatible devices (DVD players, VCRs, digital set-top boxes, etc.).
- ◆ CineMotion technology provides an optimized picture by automatically detecting film content and applying a reverse 3:2 pulldown process. Moving pictures appear clearer and more natural-looking.
- ◆ Compliant with VESA (Video Electronics Standards Association) standards
- ◆ Caption Vision/Info Banner allows closed caption and/or Channel Programming information to be displayed
- ◆ Channel Caption enables you to program up to 12 channels with their call letters. For example, Channel 2 as CBS.
- ◆ Channel Label allows you to label up to 20 channels with their station call letters
- ◆ Channel Fix assigns a specific TV channel for cable box control. Lets you control a compatible cable box via the TV remote
- ◆ Video Label enables you to identify which component is connected to each video input with on-screen titles such as "DVD".

**Conveniences**

- ◆ Auto Channel deletes vacant channels.
- ◆ Auto SAP for broadcasts with a Separate Audio Program
- ◆ Channel Skip allows you to block preset channels to ensure their not viewed.
- ◆ Favorite Channel function allows you to preview and select from eight of your favorite channels.
- ◆ Personalize your TV with advanced on-screen menus
- ◆ Programmable timer lets you program the TV to turn on/off automatically for up to 6 hours on any of two preset days, times, and channels —never miss your favorite shows.
- ◆ Speed Surf Channel Selection allows for quick scanning of channels at the touch of a button.
- ◆ Sleep Timer lets you fall asleep to TV, by shutting off after 30, 60 or 90 minutes.
- ◆ V-Chip parental control over the shows your kids watch, even when you're not home. The V-Chip system works with TV ratings system to block programs. Blocked programs are protected by a 4-digit password.
- ◆ Power Save Mode: Standard, Reduced, Picture Off
- ◆ They can be tilted back up to 10° and swivel 150° left to right.

**Audio**

- ◆ SRS WOW Audio Effect creates a panoramic stereo audio image by producing deep and rich bass tones and clear treble tones, enabling you to enjoy powerful sound effects like those in a movie theater.
- ◆ Steady Sound feature equalizes volume levels so there is consistent output between programs and commercials.
- ◆ Built-in (2w x 2) speakers deliver dynamic sound.
- ◆ Fixed/variable audio output allows sound to be sent to additional equipment like an A/V receiver, speakers or wireless headphones.
- ◆ Auto Mute automatically mutes the audio output when no signal is received. Prevents a blast of static on vacant channels.

**Inputs/Outputs**

- ◆ Rear component video input (480i/480p)
- ◆ Two S-Video inputs (1 side/ 1 rear)
- ◆ Two composite video inputs (1 side/ 1 rear)
- ◆ Three audio inputs (1 side/ 2 rear)
- ◆ RF connection input
- ◆ Headphone output

**KLV-S15G10:** 15 x 15<sup>3</sup>/<sub>4</sub> x 7" (WxHxD); 9 lbs.

**KLV-S20G10:** 20 x 20 x 10" (WxHxD); 19 lbs

**KLV-S19A10 • KLV-S23A10 • KLV-S26A10 • KLV-S32A10**19-, 23-, 26- and 32" Widescreen  
16:9 WEGA LCD Flat Panel HDTVs

*Raising the bar, the KLV-S19A10 (19"), KLV-S23A10 (23"), KLV-S26A10 (26") and KLV-S32A10 (32") each feature an HDMI connection, allowing the transfer of uncompressed digital signals to provide the best possible picture. They incorporate a high-performance, 1-chip video processor which integrates a 3D comb filter with a motion adaptive IP converter, improving picture contrast and detail while reducing video noise and image blur during fast action scenes.*

*Additional features include CineMotion reverse 3:2 pulldown circuitry for consistently smooth image and a Dynamic Picture Processor to deliver a crisp, realistic image. To compliment their great picture performance, they feature a digital amplifier with an SRS TruSurround audio system. With just two speakers, they provide an outstanding surround sound experience. For added convenience Sony's WEGA GATE on-screen guide, provides a new level of usability. With an emphasis on eye-catching design, they have a thin, sleek look with a tilt and swivel tabletop stand for flexible viewing angles. All feature six sets of A/V inputs (3 composite, 3 S-Video, one component, one PC and one HDMI) for connection to any DVD player, audio component or home theater system.*

**Step-up Features from the KLV-S20G10 (prev. page)—**

- ◆ HDTV -ready with the ability to display high-definition broadcasts (480p, 720p, 1080i) in true high definition resolution when you attach an optional set-top box or DTV decoder.
- ◆ WEGA GATE Easy Operation Guide allows you to easily navigate to the most convenient TV functions. A simple touch of a button enables you to perform a variety of tasks intuitively on a simple control panel. This on-screen guide provides direct access to favorite channels, external inputs and the TV menu.
- ◆ HDMI Interface (High-Definition Multimedia Interface) provides an uncompressed, all-digital audio/video interface between the TV and any HDMI-equipped audio/video component, such as a set-top box, DVD player, and A/V receiver.
- ◆ Light Sensor allows the picture brightness level to be optimized to ambient light. Depends on the setting of Picture Mode and Power Saving.
- ◆ PC input allows them to be used as PC monitors
- ◆ Three S-Video inputs (1 side/ 2 rear), three composite video inputs (1 side/ 2 rear)
- ◆ KLV-S19A10 Dimensions: 18<sup>3</sup>/<sub>8</sub> x 15<sup>3</sup>/<sub>4</sub> x 8<sup>5</sup>/<sub>8</sub>" (WxHxD ) with stand; weighs 22 lbs.
- ◆ KLV-S23A10 Dimensions: 22<sup>3</sup>/<sub>8</sub> x 17<sup>3</sup>/<sub>4</sub> x 8<sup>5</sup>/<sub>8</sub>" (WxHxD) with stand; weighs 27 lbs.
- ◆ KLV-S26A10 Dimensions: 26 x 20<sup>3</sup>/<sub>8</sub> x 12<sup>1</sup>/<sub>4</sub>" (WxHxD ) with stand; weighs 36 lbs.
- ◆ KLV-S32A10 Dimensions: 31<sup>1</sup>/<sub>4</sub> x 24 x 12<sup>1</sup>/<sub>4</sub>" (WxHxD) with stand; weighs 45 lbs.

**Optional Wall Mounting Brackets**

These wall mounting brackets are a great display option for your flat panel TV. Once the TV is mounted on the wall, the brackets compact size will allow the bracket to be hidden from view.

**SU-WL11 Wall Mounting Bracket**

Designed for the KLV-S19A10 and KLV-S20G10

**SU-WL31 Wall Mounting Bracket**

Designed for the KDL-V26XBR1, KDL-V32XBR1, KLV-S23A10 and KLV-S32A10 flat panel TVs.



## LF-X11

## 12.1" LocationFree TV

*LocationFree TV sets you free to live beyond the living room. You can access your favorite content virtually anywhere via the LF-X11's 12" (4:3) screen. Because LocationFree TV is a dual-band wireless TV, reception will be excellent regardless of what types of 2.4GHz devices (such as microwave ovens and cordless phones) you have in your home). Enjoy your favorite programs, movies, even internet and e-mail, streamed from the Base Station in your living room, bedroom or kitchen. Additionally, LocationFree TV can deliver your personal video content from the Base Station to your wireless LCD monitor via Wi-Fi hotspots or Internet hotspots at airports, universities and cafes. You can even view photos via the Memory Stick slot. Expand your A/V home network in ways you've never dreamed.*



## FEATURES

- ◆ The LocationFree Base Station connects to a variety of audio visual devices, such as a set top TV tuner, DVD player and personal video recorder (PVR). The 12" LF-X11 can access the base station so you can watch your favorite TV programming, DVDs or PVR content wirelessly in home and over the Internet while on the road.
- ◆ The LF-X11 offers improved wireless performance with a dual-band MAT (Multi-directional Audio & Visual Transmission) antenna, along with a new wireless software system with real-time ARQ (Automatic Repeat request) and rate adaption technology. These enhancements provide stable and multi-directional wireless transmissions with an expanded wireless range of up to 100-ft. in a typical home environment.
- ◆ A/V control using on-screen universal remote control with learning capability
- ◆ Photo Album (GIF, JPEG, PNG, BMP, MPG, MPEG-1 movie) with Memory Stick slot and on-screen hand drawing function
- ◆ Wide Range Mode for extending the wireless range
- ◆ Bundled LocationFree Player software is equipped with a key system, which uniquely identifies each base station and PC loaded with the LocationFree Player by an initial one button registration. As a result, the content sent from the base station over the Internet is viewed only by the intended user.
- ◆ NetAV function simplifies operation and makes installation a snap with a simple worry-free setup wizard. NetAV enables you to connect your Base Station via a broadband internet connection from outside your house (at public wireless access point, hotel etc.) You can enjoy your TV and favorite A/V content virtually anywhere.
- ◆ NetAV also incorporates the MPEG-4 ASP (Advanced Simple Profile) compression scheme for content transmission over the Internet. The MPEG-4 format provides high quality video at lower data rates and smaller file sizes than the MPEG2 compression standard. Further, MPEG4 features flexible compression ratios and, when combined with the LocationFree service's automatic bit rate control, results in a multimedia experience optimized for the available Internet bandwidth.



## LF-PK1

## LocationFree Player Pak

Expanding functionality, Sony's LF-PK1 LocationFree Player Pak, includes a base station and software, which allows PC users to enjoy the benefits of LocationFree TV. The LF-PK1 gives you the ability to view live TV, recorded TV (via DVR), VHS tapes or DVDs from your home to your computer over a broadband internet connection. The Player Pak includes the LocationFree base station and easy to install LocationFree Player for PC.

## LF-X5 7" LocationFree TV

Same functionality as the LF-X11, the slim and ultra-portable LF-X5 has a 7-inch (800 x 480 WVGA) monitor that delivers outstanding video and audio quality from various content sources. It includes stereo speakers, and is bundled with a headphone. Features a built-in memory and a Type II Compact Flash slot for displaying personal digital images as well as MPEG-1 files. It can also display slide shows using images saved on a Memory Stick/Compact Flash media or sent via e-mail.



## KDL-V26XBR1 • KDL-V32XBR1 • KDL-V40XBR1

### 26-, 32- and 40" BRAVIA XBR LCD Flat Panel HDTV

Available in 26-, 32 and 40-inches, Sony's BRAVIA (Best Resolution Audio Visual Integrated Architecture) XBR flat panel LCD high-definition TVs is the next step in the evolution of TV. They feature Sony's advanced Wide Color Gamut-Cold Cathode Florescent Light (WCG-CCFL) backlighting system, which produces purer white light for a wider and more accurate range of colors. Additionally, the 32- and 40" models utilize S-PVA (Super Patterned Vertical Alignment) technology, which produces a wider viewing angle and faster response times. Combined with the exclusive WEGA Engine System, they deliver high contrast, along with a sharper more detailed picture. They feature 1366 x 768 resolution, an integrated ATSC tuner and a CableCARD slot. For convenience, a GUI provides simple menu navigation and easy access to AV controls. Additionally, an input skip function allows quick access to sources connected to any of the various inputs including HDMI, component video, PC input, USB, composite and S-Video. They have an ultra-narrow, two-tone black and silver bezel design that incorporates two invisible 13-watt speakers driven by Sony's S-Master digital amplifier with SRS TruSurround XT. Also offers mounting holes for increased compatibility with VESA compliant brackets.



#### FEATURES

##### Video

- ◆ WEGA Engine technology delivers superb picture quality from any video source by minimizing the signal deterioration caused by digital-to-analog conversion and stabilizing the signal processing. The engine features unique Sony technology, including:
- ◆ The first step in the digital processing system, the Composite Component Processor2, enhances input signal-to-noise ratio by chroma decoder digital processing.
- ◆ Digital Reality Creation (DRC) Multifunction circuitry replaces the signal's NTSC waveform with near-HD equivalent by digital mapping processing. The DRC Palette option lets you customize the level of detail (Reality) and smoothness (Clarity) to create a customized picture that is optimized for signal quality, viewing conditions and personal preference.
- ◆ CineMotion technology using reverse 3-2 pull down technology provides smoother picture movement when playing back movies or other video sources on film.

##### High Performance

- ◆ S-Master Full Digital Amplifier delivers superb clear dialog and reproduces the original sound quality while minimizing any sound fragmentation or jitter noise.
- ◆ ATSC integrated tuner allows the reception of local, off-air digital broadcasts providing the viewing of free, true high-definition network programming without the addition of a set top box or a monthly fee.
- ◆ CableCARD Slot provides cable subscribers with access to digitally encrypted cable channels - without the need for a set-top box. Receive not only standard definition but also high definition television.
- ◆ HDMI Interface provides an uncompressed, all-digital audio/video interface between the TV and HDMI-equipped components, such as a set-top box, DVD player, or A/V receiver.
- ◆ Component video input offers the best video quality for DVD (480p and 480i), and digital set-top box (1080i, 720p, 480p and 480i) connections.

##### Conveniences

- ◆ Navigate a list of up to 16 favorite channels without leaving the current channel.
- ◆ Steady Sound equalizes volume levels so there is consistent output between programs and commercials.
- ◆ PC input allows you to connect your PC and display the PC screen on your TV.
- ◆ Wide Screen Mode lets you watch 4:3 broadcasts in wide screen mode (16:9 aspect ratio).
- ◆ Parental Control (V-Chip) block unsuitable programming from younger viewers.
- ◆ Invisible speaker design space-saving and delivers dynamic sound.
- ◆ Light Sensor allows the picture brightness level to be optimized to ambient light.
- ◆ WEGA GATE Easy Operation Guide allows you to easily navigate to the most convenient TV functions: favorite channels, TV channel list, external input list or settings.
- ◆ Allows Closed Caption and/or channel programming information to be displayed.

**KDF-E42A10/E50A10 • KDF-E55A20/E60A20**42-, 50-, 55- and 60" Grand WEGA  
Rear Projection HDTVs

Enhance your home entertainment experience with these Grand WEGA 3LCD Rear Projection HDTVs. They feature a new design with a thin dark black bezel, a compact body and barely visible speakers located at the bottom of the set. This television also features high-definition picture quality and delivers natural color reproduction and exceptional brightness levels due to 3LCD technology. Additional features include the Sony WEGA Engine system to deliver detailed picture quality from any compatible video source by minimizing the digital-to-analog conversion process and the WEGA GATE Easy Operation Guide, which allows you to easily navigate to TV functions, including favorite channels, TV channel list and external input list or settings.

**FEATURES****Video**

- ◆ WEGA Engine technology delivers superb picture quality from any video source by minimizing the signal deterioration caused by digital-to-analog conversion and stabilizing the signal processing. The engine features unique Sony technology, including:
- ◆ 3LCD technology is a video projection system that uses three LCD panels to produce an image. There are three key advantages of 3LCD televisions: A Brighter Picture even in well-lit rooms; Natural Colors are displayed with intense vibrancy; High Detail for spectacular HD performance
- ◆ Digital Reality Creation (DRC) Multifunction circuitry replaces the signal's NTSC waveform with near-HD equivalent by digital mapping processing. The DRC Palette option lets you customize the level of detail (Reality) and smoothness (Clarity) to create a customized picture that is optimized for signal quality, viewing conditions and personal preference.
- ◆ CineMotion technology using reverse 3-2 pull down technology provides smoother picture movement when playing back movies or other video sources on film.
- ◆ Component video input offers the best video quality for DVD (480p and 480i), and digital set-top box (1080i, 720p, 480p and 480i) connections.

shown with  
optional stand

**High Performance**

- ◆ ATSC integrated tuner allows the reception of local, off-air digital broadcasts providing the viewing of free, true high-definition network programming without the addition of a set-top box or a monthly fee.
- ◆ CableCARD Slot provides access to digitally encrypted cable channels - without the need for a set-top box. Receive not only standard definition but also high definition television.
- ◆ HDMI Interface provides an uncompressed, all-digital audio/video interface between the TV and HDMI-equipped components, such as a set-top box, DVD player, or A/V receiver.

**Conveniences**

- ◆ WEGA GATE Easy Operation Guide allows you to easily navigate to the most convenient TV functions: favorite channels, TV channel list, external input list or settings.
- ◆ You can select TruSurround, which adds a 3-dimensional sound to stereo programs, or Simulated, which adds a surround-like effect to mono programs.
- ◆ Navigate a list of up to 16 favorite channels without leaving the current channel.
- ◆ Steady Sound equalizes volume levels so there is consistent output between programs and commercials.
- ◆ PC input allows you to connect your PC and display the PC screen on your TV.
- ◆ Wide Screen Mode lets you watch 4:3 broadcasts in wide screen mode (16:9 aspect ratio).
- ◆ Parental Control (V-Chip) block unsuitable programming from younger viewers.

**KDF-E42A10 Dimensions:**

39<sup>3</sup>/<sub>8</sub> x 28<sup>1</sup>/<sub>2</sub> x 14<sup>1</sup>/<sub>8</sub>" (WxHxD); weighs 61 lbs

**KDF-E50A10 Dimensions:**

46<sup>5</sup>/<sub>8</sub> x 32<sup>5</sup>/<sub>8</sub> x 16<sup>1</sup>/<sub>8</sub>" (WxHxD); weighs 72 lbs

**KDF-E55A20 Dimensions:**

57<sup>3</sup>/<sub>8</sub> x 37<sup>1</sup>/<sub>4</sub> x 19<sup>3</sup>/<sub>8</sub>" (WxHxD); weighs 92 lbs

**KDF-E60A20 Dimensions:**

62 x 39<sup>5</sup>/<sub>8</sub> x 20<sup>1</sup>/<sub>2</sub>" (WxHxD); weighs 101 lbs

## KDS-R50XBR1 • KDS-R60XBR1

### 50- and 60" Grand WEGA SXRD Rear Projection HDTVs

*Thin, but powerful, Sony's KDS-R50XBR1 (50") and KDS-R60XBR1 (60") are equipped with SXRD technology and offer a brilliant, colorful image pleasing to any pair of eyes. SXRD technology employs three Silicon X-tal Reflective Display panels, which aid in the response time of image changes and movement. Each one of these panels is associated to a primary color: red, blue or green. These panels combine their monochromatic colors into one creating a single, full color image that is displayed onto the screen via an energy-efficient high output lamp (RGB Image 1920 x 1080). Other features include WEGA GATE Easy Operation Guide for easy channel and television function use as well as CineMotion technology, which provides reverse 3:2 pull down technology for smoother picture movement when playing back movies or other video sources on film. Sony's WEGA Engine system also minimizes signal distortion providing you with the best HD picture and sound for hours of viewing pleasure.*



#### Step-up Features from the Grand WEGA (prev. page)—

- ◆ SXRD technology SXRD is a Silicon X-tal Reflective Display technology that delivers high-level resolution, greater contrast ratio, faster response speed and film-like reproduction compared to other conventional devices.
- ◆ Advanced Iris shutter works automatically open and closing according to the incoming signal level to create brighter whites and better contrast in dark scenes.
- ◆ BN Smoother reduces the block noise caused by digital video encoding and decoding process.
- ◆ Twin-View allows you to watch two programs side by side with the ability to zoom in on one picture and listen to the program in the selected window. You can watch pictures from two different sources (480i) simultaneously.
- ◆ Memory Stick Viewer lets you view digital photos (JPEG) and movies (MPEG-1) from Memory Stick media on your TV screen.
- ◆ i.LINK connector provides a secure digital interface. Allows for the secure transfer of copyright-protected high-definition content between these devices and your TV.

### RHT-G2000

#### Home Theater TV Stand for the KDF-E42A10, KDF-E50A10, KDS-R50XBR1 and KDS-R60XBR1

*The perfect television requires one equally perfect accompaniment, perfect sound! If space is an issue, or you're not interested in external component speakers hanging from your walls, then then this is your solution. The RHT-G2000 is an all encompassing home theater speaker system that allows you to add superior Sony sound to your television experience, or to enhance sound from y devices such as an MP3, CD, or DVD player. It features a minimalist, rectangular design for an unobtrusive fit into any family or entertainment room as well as 700 watts of power (5x100W + 200w subwoofer).*



- 7 speaker drivers plus 2 subwoofer drivers
- 4 input boxes for added flexibility in connecting components
- Rear jacks for optional rear speakers
- 6 preset functions: preset for DVD, Tuner, Video 1, Video 2, Sat, TV
- Remote Control
- AM/FM Tuner

**20HL85 • 23HL85 • 27HL85****20-, 23-, and 27" 16:9 TheaterWide LCD HDTVs**

*Toshiba's 16:9 TheaterWide high-definition 20HL85 (20") and 23HL85 (23") LCD TVs offer a true HD panel resolution of 720P (1366 x 768) and a contrast ratio of 500:1. Each features Digital 3D-Y/C Digital Comb Filter, color temperature control, five viewing modes and Cinema Mode (3:2 pulldown). For audio they offer MTS Stereo/SAP with dbx, StableSound, SRS WOW and Virtual Dolby Surround Sound. Conveniences include illuminated universal remote with DVD control, channel and video input labeling, and closed captioning on mute. For advanced connections they are equipped with ColorStream HD component video inputs, HDMI interface to eliminate messy cable hookup, and a 15-Pin D-Sub (VGA) input for use with a PC. The 27HL85 (27") steps-up with 900:1 contrast ratio, PixelPure AT, CableClear DNR+, Black Stretch, Color Detail Enhancer, Multi-Window (12) Sub Bass System, HD Window POP (Picture on Picture) and split screen, Movie and Sports modes, two-level mute, Auto Aspect Detection and SurfLock.*

**Video**

- ◆ 720p HD display with 1366 x 768 panel resolution, high brightness, 500:1 contrast ratio, built-in tuner and RF input.
- ◆ HD Dynamic Contrast increases contrast and color saturation to create deep, rich images. The intelligent circuitry analyzes both the dark and bright areas of the picture, and separately optimizes the dynamic range in each area of the picture.
- ◆ 3D-Y/C (4MB, 10-Bit) digital comb filter with Vertical Contour Correction drastically reduces dot crawl, color bleeding, and other cross color interference for razor sharp pictures.
- ◆ Three user-selectable color temperature settings let you adjust white balance to achieve the best picture in different viewing environments. "Warm" setting reduces the color temperature to 6500° Kelvin and delivers a redder image that is ideal for display in a dimly lit room. "Medium" and "Cool" provide a progressively bluer image for the best picture as room light levels are increased.
- ◆ Five TheaterWide display modes (Standard, Full, TW1, TW2, TW3)
- ◆ Cinema Mode (3:2 Pulldown) eliminates artifacts that can be caused by the process of transferring film to video. This circuitry identifies original film-based content from DVDs, then reassembles the frame sequence to more accurately reproduce the original 24 frame film-based material.

**Audio**

- ◆ MTS decoder enables the TVs to accept and decode a broadcast stereo signal. Unlike some systems that delete dbx, MTS provides the full quality of the original stereo broadcast. SAP enables the reception of bilingual broadcasts (when available).
- ◆ StableSound maintains TV volume within a preset range. This eliminates the annoyance of normal program volume being followed by extremely loud commercials or drastic volume fluctuations while changing channels.
- ◆ SRS WOW technology takes the performance of their speakers to a whole new level. Consisting of three separate sound expanding systems (SRS3 D, TruBass and FOCUS), SRS WOW creates a more enveloping sound with enhanced bass and dialogue reproduction.
- ◆ SRS 3D creates a wide, three-dimensional sound field from two TV speakers
- ◆ From only two small speakers, TruBass will give the effect of an expensive sub bass woofer that will leave the listener amazed by the quality of the sound.
- ◆ FOCUS to raise the sound from the speakers of the television in a vertical direction up towards the listener's ears.
- ◆ Virtual Dolby (SRS TruSurround) surround sound using only the TVs built-in speakers

**Connections**

- ◆ An RF (or antenna) input is available to connect cable TV or an antenna.
- ◆ The best analog connection for high-resolution component video sources, two ColorStream HD high-resolution component video inputs are available to receive 480i, 480p and 1080i HDTV signals. Having two sets of these high definition inputs, provide you with an increased level of connectivity.
- ◆ For easy connection of video games or a camcorder, front panel A/V inputs provide maximum versatility and convenience, allowing you to plug-in without moving the unit away from the wall.
- ◆ If you have even a moderately complicated home theater setup, you probably have a pile of tangled cables on the floor. Replace them with a single HDMI cable. HDMI is an uncompressed digital video and audio interface that supports multi-channel digital audio transmissions and component color spacing for true rendering of HD video.
- ◆ 15-Pin D-Sub (VGA) input allows use as PC computer monitor.
- ◆ Other connections include rear A/V input, S-Video input, headphone jack and audio outputs

**20HL85:** 21.8" x 15.8" x 3.7" (WHD), 19.9 lbs.  
**23HL85:** 21" x 14.3" x 4.2" (WHD), 22.9 lbs.  
**27HL85:** 27.2" x 20.3" x 3.9" (WHD), 28 lbs.

## 20HL85 • 23HL85 • 27HL85

### Conveniences

- ◆ For easy operation in a dark living room or home theater environment, Toshiba's ergonomically designed, fully illuminated universal remote comes preprogrammed to operate all functions of four items—the TV, DVD player, VCR and cable box.
- ◆ Multicolor on-screen display (OSD) gives you effortless control, putting a host of customizable features at your fingertips. This makes the TV as easy to use as it is advanced.
- ◆ Sleep Timer lets you fall asleep watching TV and have the TV turn itself off up to three hours later (in 10-minute intervals).
- ◆ Closed Captioning on Mute automatically displays captioned information (if available) on-screen when the MUTE button is pressed.
- ◆ V-Chip Parental Control system lets adults decide which show ratings are appropriate for kids. The TV will then block out the video and audio of any program that has a rating beyond selected levels. Adults can override the system at any time using a secret code.
- ◆ For easy switching back and forth between two programs, the Channel Return button returns you to the last channel you were viewing.
- ◆ Audio noise will be muted when the TV tuner is on a channel without a signal. This eliminates loud hiss when scrolling by unused tuner input or empty channels.
- ◆ GameTimer™ allows you to set the television to shut off after a specified period of time. The television will stay off until a lock-out key code is entered.
- ◆ Channel Labeling allows you to put the Call Letters (e.g., ABC, HBO, etc.) on the screen along with the station numbers, so you always know what channel you're watching.
- ◆ Video Labeling allows you to name each of your video inputs by choosing from a menu of name choices (e.g., VCR, DVD, TV, etc.).
- ◆ Direct Video Input Selection lets you directly access any input on the television via the remote, rather than having to scroll through all the inputs to find the one they want.
- ◆ If the power to the TV is stopped, you won't have to hit the power button, when power is restored.

### 27HL85 Step-up Features

- ◆ NO PC input
- ◆ Designed to optimize poor NTSC signals from antenna or cable, CableClear™ DNR+ is a video noise reduction system that eliminates video noise ("snow") for a clean crisp image. It utilizes the Digital 3D/YC Comb Filter to compare frames and determine the existence and extent of video noise. It then applies the needed amount of digital video noise reduction, and the appropriate sharpness adjustment to keep the picture clear. Works on RF, composite and S-Video inputs, and can be selected by input.



- ◆ To ensure the highest possible picture quality, it incorporates next-generation PixelPure AT (Adaptive Technology) digital video processing. This system includes Motion Adaptive De-Interlacing, Adaptive MPEG Processing, Adaptive Contrast Enhancement, and Adaptive Color Enhancement, all critical elements to deliver the consistently high quality picture expected from a Toshiba Television.
- ◆ Color Detail Enhancer circuit improves picture detail and reduces color video noise.
- ◆ Sub Bass System (SBS) creates a bass boost at and around the 100-cycle audio-frequency area. This creates a noticeable increase in bottom end and overall fullness, for a richer, deeper home theater sound.
- ◆ HD Window POP (Picture-on-Picture) is an advanced system can accept 480i, 480p, 720p, and 1080i signals, and can even display 4:3 and 16:9 images on the screen at the same time. The split screen function allows you to increase or decrease the size of the POP boxes, making one larger than the other. The MultiWindow (12) system enables you to continue to view the main picture in a large POP box while viewing favorite channels, or channel scanning in the other smaller POP boxes.
- ◆ Movie Mode changes the basic picture setup conditions to create a more theater-like picture. User-selectable settings such as brightness, contrast, color and color temperature are automatically adjusted. Sports Mode automatically adjusts appropriate picture levels to produce enhanced color, detail and brightness.
- ◆ Selected channels can be locked out to prevent viewing. Channels can be unlocked by entering a secret code.
- ◆ For optimum display of each type of input source, individual AV settings by input allow the you to make video adjustments for each type of input, such as RF, composite, S-Video, and each ColorStream component video input.
- ◆ With two-level mute, volume is muted 50% by a first touch (allowing one viewer to take a phone call while the other continues watching and listening) and 100% by a second, providing quick access to instant volume control.
- ◆ SurfLock lets you browse programs on other channels then return to the original channel at any time simply by pressing one button. You can then scan available channels, and when ready to return to the original, simply presses the channel return button again to view the channel in memory.
- ◆ Auto Aspect Detection senses when an interlaced DVD player is sending a 16:9 signal, and automatically sets the TV to the correct picture size mode.

**46HM95 • 52HM95 • 62HM95**

## 46-, 52-, and 62" TheaterWide HD DLP Projection TVs

*Less than 16" deep, these sets have a flat panel like appearance and occupy considerably less space than traditional rear projection units. At the center of these sets is the TALEN (Toshiba Advanced Light Engine) 720p Light Engine with DEEP (Digitally Enhanced Engine Performance) Picture for spectacular picture quality.*

*They are also loaded with features for a smooth transition to HDTV, equipped with ATSC and QAM tuners, which enable them to receive both digital terrestrial and digital cable broadcasts. They have two IEEE1394 ports with industry standard DTV link capability, necessary for digital networking and recording. To further increase user functionality, they include TV Guide On Screen for simple, user-friendly channel navigation, CableCARD slot for digital cable compatibility, and TheaterNet IR/1394 control system for effortless analog and digital external device control. For even more versatility, their OmniViewer Memory Card Slot (SD, SM, MS, CF & MM) with JPEG viewer allows quick, easy viewing of digital photos.*

*To further enhance quality, they incorporate PixelPure 2 with RAVE technology. A suite of 8 different digital video processing circuits that combine to create a consistently clearer, deeper and more accurate picture, PixelPure is the key to Toshiba's fixed pixel picture quality. They also use the Radiance 150 Hi-Bright Lamp for noticeably brighter images and employ TheaterFine DFP Screen technology with Anti-Glare Coating for increased detail and noticeably deeper blacks.*

*Last, in an effort to provide a richer home theater experience, the new Channel Browser lets you use a "back" button - similar to a PC browser's back button - that allows easy access to recently viewed channels.*

**FEATURES**

- ◆ A proprietary light engine technology designed and built by Toshiba for Toshiba, TALEN utilizes advanced optics, and step-up TI HD2+ DLP Chip, to create outstanding picture quality.
- ◆ For a crisp, clear picture free of unwanted distortions, a First Surface Mirror places its reflective material on the front of the mirror. This lets light reflect off the front of the mirror without passing through any glass. Standard second surface mirrors, similar to common household mirrors, require light to pass through a glass layer on the way the reflective surface and then again on the way out. The natural light refraction that occurs causes "ghosting" that results in decreased picture sharpness. First Surface Mirrors eliminate this unnecessary refraction, avoiding image degradation.
- ◆ They include both QAM and ATSC tuners, enabling the sets to receive digital cable-in-the-clear signals, as well as digital terrestrial broadcasts.
- ◆ Black Level Expander increases the black threshold level, so blacks are pure black, not dark gray. This significantly improves overall picture contrast which makes picture appear sharper and more three-dimensional.
- ◆ PixelPure 2 with RAVE technology is a suite of 8 different digital video processing circuits that combine to create a consistently clearer, deeper and more accurate picture. This next generation processing delivers consistently high picture quality. Key PixelPure AT components include: Motion Adaptive De-Interlacing, Adaptive MPEG Processing, Adaptive Contrast Enhancement, Adaptive Color Enhancement and more...
- ◆ They use a Radiance 150 Hi-Bright Lamp-Watt DC lamp. In addition to exceptional light purity and reduced flicker, this lamp also has two user-friendly features. High Brightness and Low Power Modes allow the user to choose 150-Watt Mode for daytime with ambient room light, and 100-Watt Mode for nighttime in a dark room, to extend the lamp life. This lamp also has the unique Instant Restart feature, allowing the TV to be turned on immediately after shutdown, unlike other lamp-based TVs.
- ◆ Toshiba DLP Projection TVs utilize a Digital Fine Pitch Screen. This screen helps create crisp HD resolution with its super fine screen pitch. It also has an Anti-Glare Coating to reduce unwanted reflections from ambient room light, which helps increase contrast for deeper blacks.

## 46HM95 • 52HM95 • 62HM95

## Audio

- ◆ Equipped with fixed and variable audio output allowing sound to be sent to additional A/V equipment like an A/V receiver, speakers or even wireless headphones. Best of all, you can adjust the volume level (and tone, if available) through the TV remote control.

## Connections

- ◆ Two RF (or antenna) inputs are available to connect cable TV or an antenna.
- ◆ The best analog connection for high-resolution component video sources, two ColorStream HD high-resolution component video inputs are available to receive 480i, 480p and 1080i HDTV signals. Having two sets of these high definition inputs, provide you with an increased level of connectivity.
- ◆ For easy connection of video games or a camcorder, front panel A/V/S inputs provide maximum versatility and convenience, allowing you to plug-in without moving the unit away from the wall.
- ◆ If you have even a moderately complicated home theater setup, you probably have a pile of tangled cables on the floor. Replace them with a single HDMI cable. HDMI is an uncompressed digital video and audio interface that supports multi-channel digital audio transmissions and component color spacing for true rendering of HD video.
- ◆ Other connections include two rear A/V inputs, two rear S-Video inputs, Dolby Digital output (coaxial), video output.
- ◆ To insure optimum picture performance from compressed digital signals, these sets with IEEE1394 with DTV Link have a compressed digital interface for sending and receiving standard and high definition signals
- ◆ They are equipped with a CableCARD slot so you can receive standard definition and high definition digital broadcasts—without requiring a bulky set-top cable box. CableCARD is a cable TV standard that incorporates the functions of a traditional cable box into a small device that fits in a slot in your TV. With CableCARD, you can receive digital cable services, including premium and HDTV cable channels, without the need for a set-top box. Services and the module are supplied by the local cable company.

## TV Guide On Screen Interactive Program Guide

TV Guide On Screen Interactive Program Guide combines programming from each of the television's internal tuners into one, easy-to-read on screen program guide. It makes it easy to locate desired programs and is a crucial feature for digital cable. An interactive program guide, it provides an easy to read listing of the television programs available to view or record. It provides an 8-day program listing, flexibility of recording directly to DVD or the HDD, the ability to perform keyword searches for locating favorite programs and includes the G-Link IR Blaster for controlling cable boxes. When recording television programs, the name of the show, along with the channel and date, are automatically captured.

## Dimensions:

## 46HM95:

53 $\frac{3}{8}$  x 31 $\frac{7}{8}$  x 15 $\frac{1}{4}$ " (WHD); it weighs 75 lbs.

## 52HM95:

53 $\frac{3}{8}$  x 35 $\frac{1}{8}$  x 15 $\frac{1}{4}$ " (WHD); it weighs 85 lbs.

## 62HM95:

67 $\frac{1}{8}$  x 40 $\frac{15}{16}$  x 18 $\frac{3}{16}$ " (WHD); it weighs 102 lbs.

## 56HM195 • 62HM195 • 72HM195

56-, 62-, and 72" TheaterWide 1080P  
HD DLP Projection TVs

Toshiba 720p sets utilize a TALEN Light Engine. Toshiba 1080p sets use the new TALEN X light engine with Xtreme BLAC, incorporating advanced design and technology. As 720p is HD, Toshiba calls their 1080p models "XHD - 2X resolution", as they have over twice the pixel count of 720. Both the new TALEN and TALEN X light engines are enhanced with DEEP Picture (Digitally Enhanced Engine Performance) technology creating sharper more vibrant images.

The 720p TALEN engine with DEEP Picture creates spectacular picture quality. But, the new 1080p, or "XHD", TALEN X models with Xtreme BLAC provide a new level of realism that takes advantage of the full 1920 x 1080 broadcast signal. TALEN X. This system utilizes Texas Instruments' xHD4 chip and incorporates Toshiba's DEEP Picture and Xtreme BLAC technologies to provide high resolution with improved brightness and contrast. Through the use of Xtreme BLAC (Black Level Aperture Control), the 1080p sets offer stunning resolution and enhanced contrast ratios ensuring crystal clear picture quality. All 1080p DLP sets from Toshiba offer a new cosmetic design featuring space-saving bottom speakers.

## Same features as the HM95 (720p) Series except the resolution

## 56HM195:

51 $\frac{5}{8}$  x 36 $\frac{3}{16}$  x 16 $\frac{7}{8}$ " (WHD); it weighs 87 lbs.

## 62HM195:

57 $\frac{1}{8}$  x 39 $\frac{1}{16}$  x 18 $\frac{3}{4}$ " (WHD); it weighs 105 lbs.

## 72HM195:

65 $\frac{3}{4}$  x 44 $\frac{1}{4}$  x 21" (WHD); it weighs 128 lbs.